

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ☒ ELECTRIC LOGS ☒ X WATER SANDS ☒ LOCATION INSPECTED ☒ SUB REPORT/abd

990726 CBL Rec!

DATE FILED AUGUST 5, 1997

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-74826

INDIAN

DRILLING APPROVED: JULY 2, 1998

SPUDDED IN: 9-16-98

COMPLETED: 10-12-98 POW PUT TO PRODUCING: 10-12-98

INITIAL PRODUCTION: 0-99 BBL G-246 MCF W-4 BBL

GRAVITY API

GOR

PRODUCING ZONES: 5040-5781'

TOTAL DEPTH: 6000'

WELL ELEVATION: 5950' KB, 5940' GL

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT: ASHLEY

COUNTY: DUCHESNE

WELL NO: ASHLEY FEDERAL 11-1

API NO. 43-013-31926

LOCATION 1981 FSL FT. FROM (N) (S) LINE.

1978 FWL

FT. FROM (E) (W) LINE NE SW

1/4 - 1/4 SEC

1

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

15E

1

INLAND PRODUCTION

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
<i>Garden Gulch MRR 3762</i>	Dakota	Park City	McCracken
<i>" " " 2 4115</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>Point 3 MRR 4323</i>	Cedar Mountain	Supai	Simonson Dolomite
<i>X MRR 4643</i>	Buckhorn	Wolfcamp	Sevy Dolomite
<i>Y MRR 4681</i>	JURASSIC	CARBON I FEROUS	North Point
<i>Wagatch Do 49195 CA MRR 4791</i>	Morrison	Pennsylvanian	SILURIAN
<i>Stone Cabin 51-1-1-1 5030</i>	Salt Wash	Oquirrh	Laketown Dolomite
<i>Colton 13-1-1-1 5142</i>	San Rafael Gr.	Weber	ORDOVICIAN
<i>Flagstaff Castle PK 5670</i>	Summerville	Morgan	Eureka Quartzite
<i>North Horn Basal Carb NDE</i>	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>	
1b. TYPE OF WELL <b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> <b>SINGLE</b> <input type="checkbox"/> <b>ZONE</b> <input type="checkbox"/> <b>MULTIPLE</b> <input type="checkbox"/> <b>ZONE</b> <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>Ashley Unit</b>	
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079</b> <b>Phone: (801) 789-1866</b>		8. FARM OR LEASE NAME <b>Ashley Federal</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) <b>At Surface NE/SW</b> <b>At proposed Prod. Zone 1981' FSL &amp; 1978' FWL</b> <b>653 603</b>		9. WELL NO. <b>#11-1</b>	
10. FIELD AND POOL OR WILDCAT <b>Ashley</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 1, T9S, R15E</b>	
12. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>13.2 Miles southwest of Myton, Utah</b>		12. County <b>Duchene</b>	
13. STATE <b>UT</b>		13. STATE <b>UT</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1978'</b>		16. NO. OF ACRES IN LEASE <b>2189.98</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>1317'</b>	
19. PROPOSED DEPTH <b>6500'</b>		20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5940' GR</b>		22. APPROX. DATE WORK WILL START* <b>4th Quarter 1997</b>	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	120 sx
7 7/8"	5 1/2"	15.5#	TD	400 sx followed by 330 sx
				See Detail Below

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.

**SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl<sub>2</sub>, 1/4# /sk Flocele**

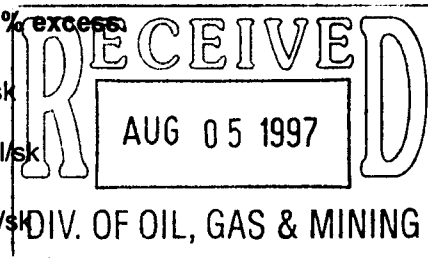
Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H<sub>2</sub>O Req: 6.4 Gal/sk

**LONG STRING - Lead: Hibond 65 Modified**

Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H<sub>2</sub>O Req: 18.08 Gal/sk

**Tail: Premium Plus Thixotropic**

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 Gal/sk



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Brad Mecham TITLE District Manager DATE 7/25/97

(This space for Federal or State office use)

PERMIT NO. 43-013-31926 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: **Federal Approval of this Action is Necessary**

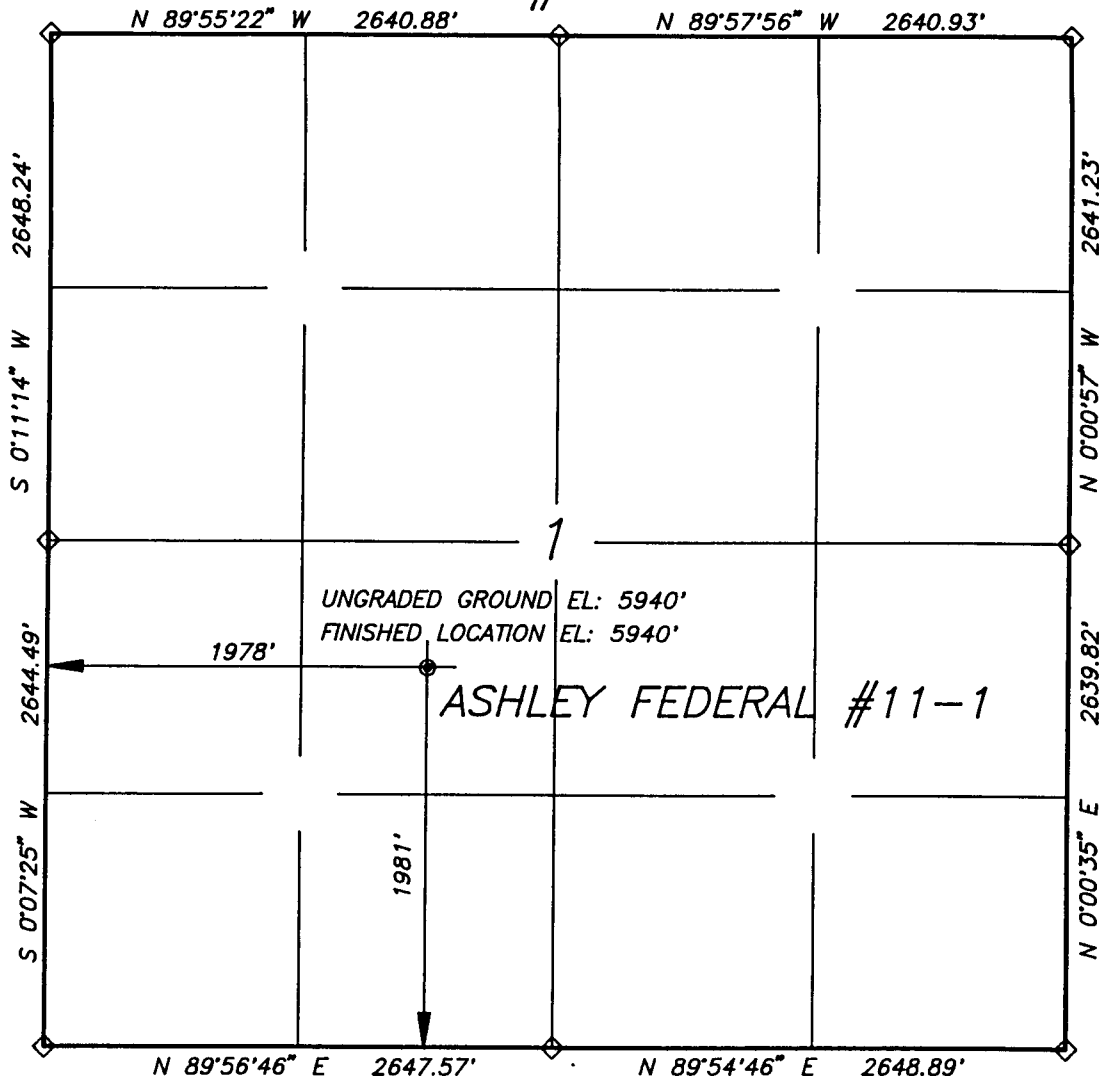
APPROVED BY Bradley G. Hill TITLE RECLAMATION SPECIALIST III DATE 7/2/98

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# INLAND PRODUCTION CO. WELL LOCATION PLAT ASHLEY FEDERAL #11-1

LOCATED IN THE NE1/4 OF THE SW1/4  
SECTION 1, T9S, R15E, S.L.B.&M.

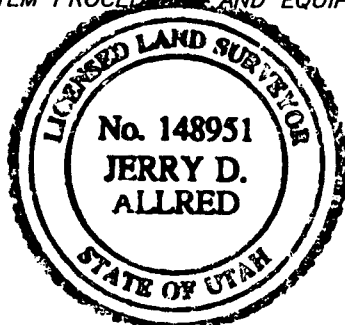


## LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.

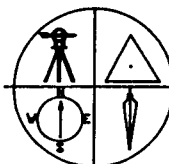
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT.



## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESNE, UTAH 84021  
(801)-738-5352

18 APRIL 1997

84-121-075



**INLAND PRODUCTION COMPANY  
ASHLEY FEDERAL #11-1  
NE/SW SECTION 1, T9S, R15E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3050'
Green River	3050'
Wasatch	6600'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3050' - 6600' - & Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' KB (New)  
5 1/2" J-55, 15.5# w/ LT&C collars/ set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050'  $\pm$ , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions of 5 lb. - 8 lb. per barrel of DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride chrometes will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

## ASHLEY FEDERAL #11-1

### **AIR DRILLING**

In the event that the proposed Ashley Federal #11-1 location be "Air Drilled", Inland requests a variance to regulations requiring a straight run bloopie line. Inland Proposes that the flowline will contain two (2) 90 degree turns. Inland also requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the bloopie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations or Onshore Order #2.

### **MUD PROGRAM**

### **MUD TYPE**

Surface - 320'

Air

320' - 4200'

Air/Mist & Foam

4200' - TD

The well will be drilled with fresh water through the Green River Formation @ 4200'  $\pm$ , to TD, A fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di Ammonium Phosphate, commonly known as fertilizer.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

### **7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

### **8. TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300'  $\pm$ , and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'  $\pm$ . The cement bond log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

### **9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

### **10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the forth quarter of 1997, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
ASHLEY FEDERAL #11-1  
NE/SW SECTION 1, T9S, R15E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Ashley Federal #11-1 located in the NE 1/4 SW 1/4 Section 1, T9S, R15E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 1.7 miles to its junction with an existing paved road to the southwest; proceed southwesterly along this road 4.6 miles to the junction of an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to the junction of an existing dirt road to the south; proceed southeasterly 2.3 miles to the junction of an existing dirt road to the southwest; proceed southwesterly to the beginning of the proposed access road, to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 53 ends, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing two track road in the SE 1/4 NW 1/4 Section 1, T9S, R15E, S.L.B., and proceeds in a southeasterly direction approximately 2000'  $\pm$ , to the proposed location site.

The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road where is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

## **ASHLEY FEDERAL #11-1**

There will be no culverts required along this access road. There will be no water turnouts constructed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### **3. LOCATION OF EXISTING WELLS**

There are five (5) oil producing Inland Production Co. wells, and one (1) unknown producing gas well, within a one (1) mile radius of this well. See Exhibit "D".

### **4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to BLM specifications.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

### **5. LOCATION AND TYPE OF WATER SUPPLY**

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, Gilsonite, and Ashley oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Ashley Federal #11-1.

Existing water for this well will be trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

### **6. SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit ( 80 X 40 X 8' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the south between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be windrowed on the north side between stakes 2 & 8.

Access to the well pad will be from the north corner, near stake #8.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

**10. PLANS FOR RESTORATION OF SURFACE**

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/ operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP - Bureau Of Land Management**

12. **OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production Company will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey is attached.

*Additional Surface Stipulations*

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

***Hazardous Material Declaration***

Inland Production Company guarantees that during the drilling and completion of the Ashley Federal #11-1 we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Ashley Federal #11-1 we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

**The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.**

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: P.O. Box 1446 Roosevelt, Utah 84066  
Telephone: (801) 722-5103

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #11-1 NE/SW Section 1, Township 9S, Range 15E: Lease U-74826, Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8-1-97

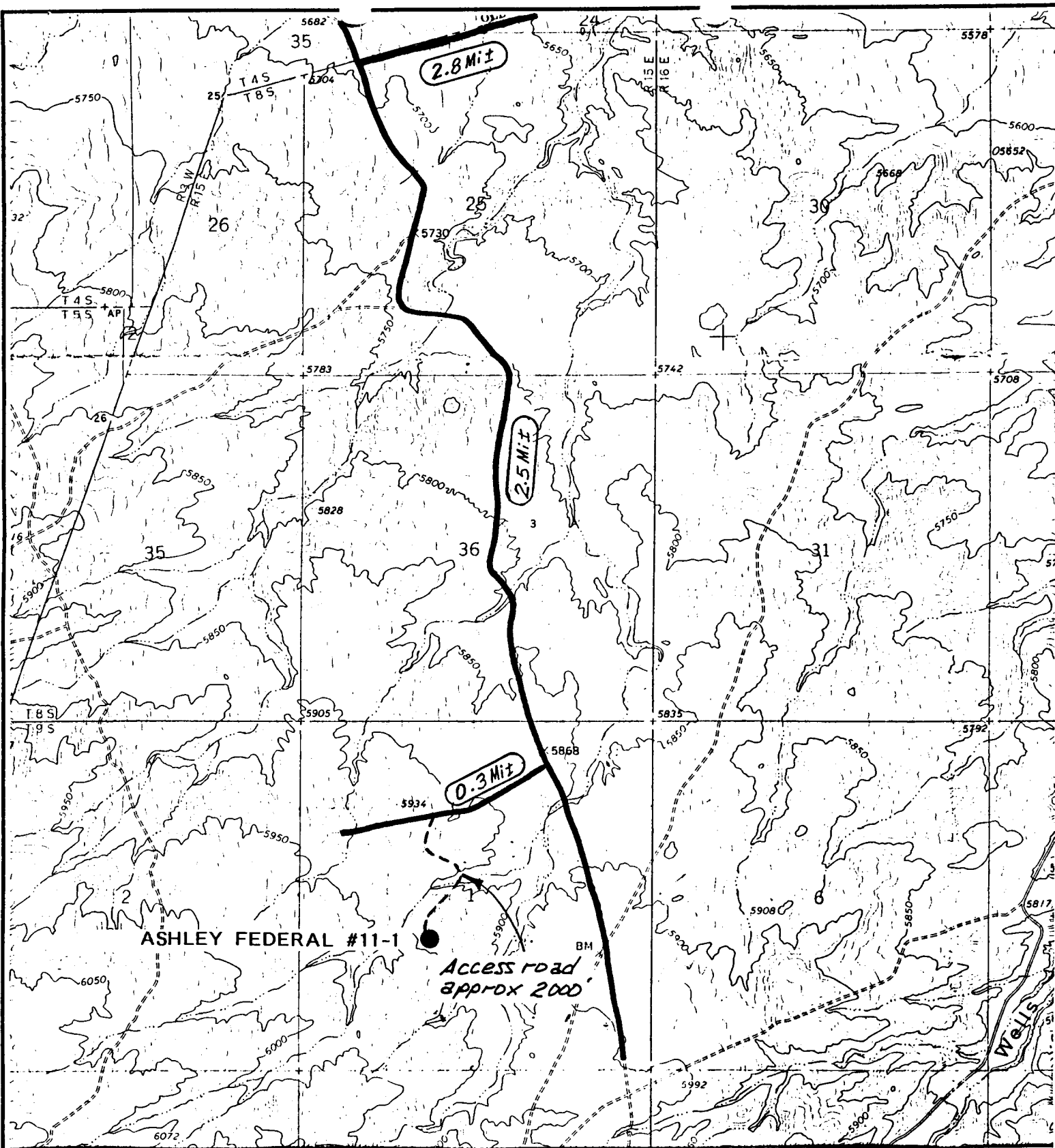
Date



Brad Mecham  
District Manager



84-121-075



TOPOGRAPHIC  
MAP "B"  
SCALE: 1"=2000'



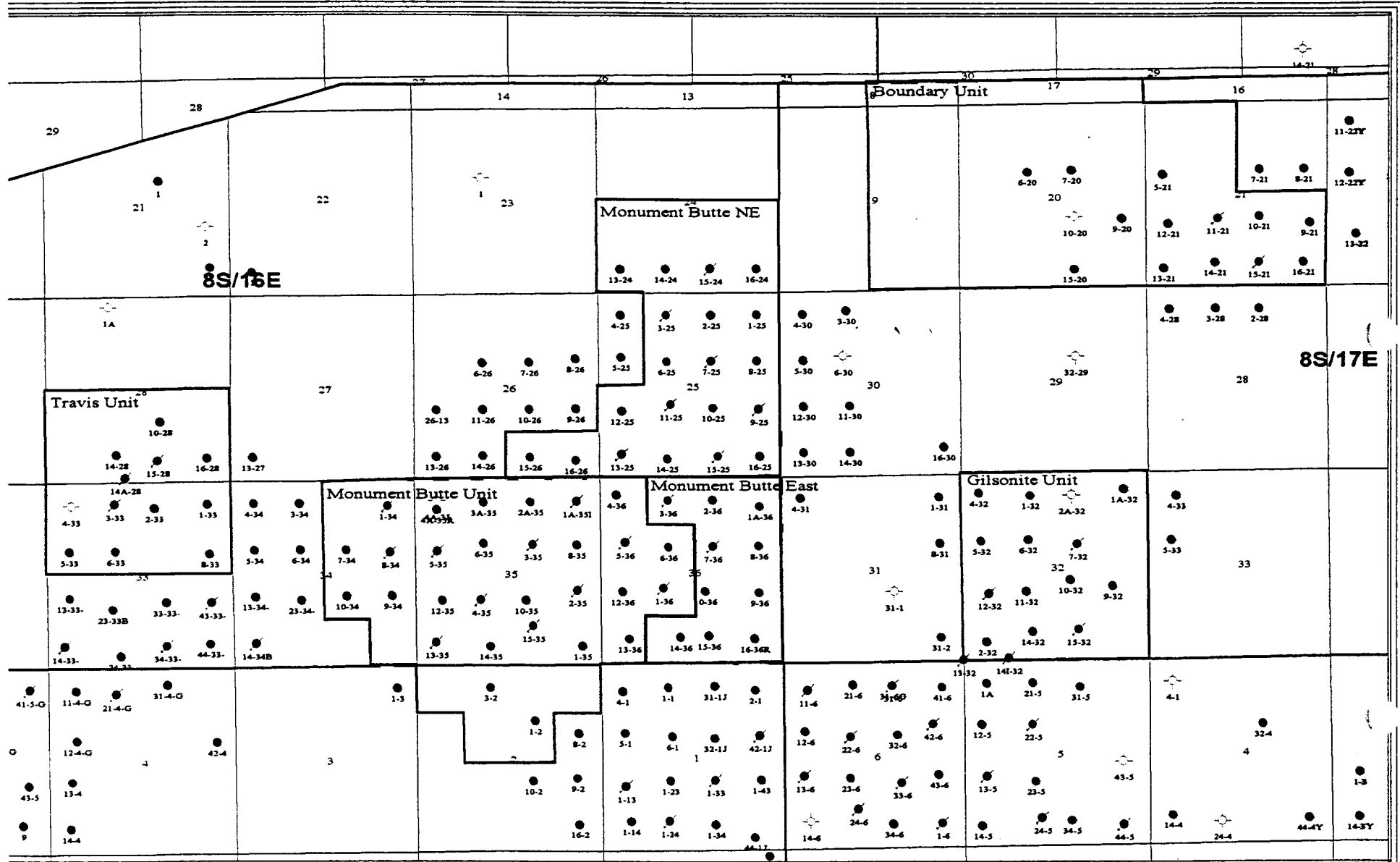
## INLAND PRODUCTION COMPANY


ASHLEY FEDERAL #11-1  
SECTION 1, T9S, R15E, S.L.B.&M.

23 April '97

84-121-075

# EXHIBIT "C"





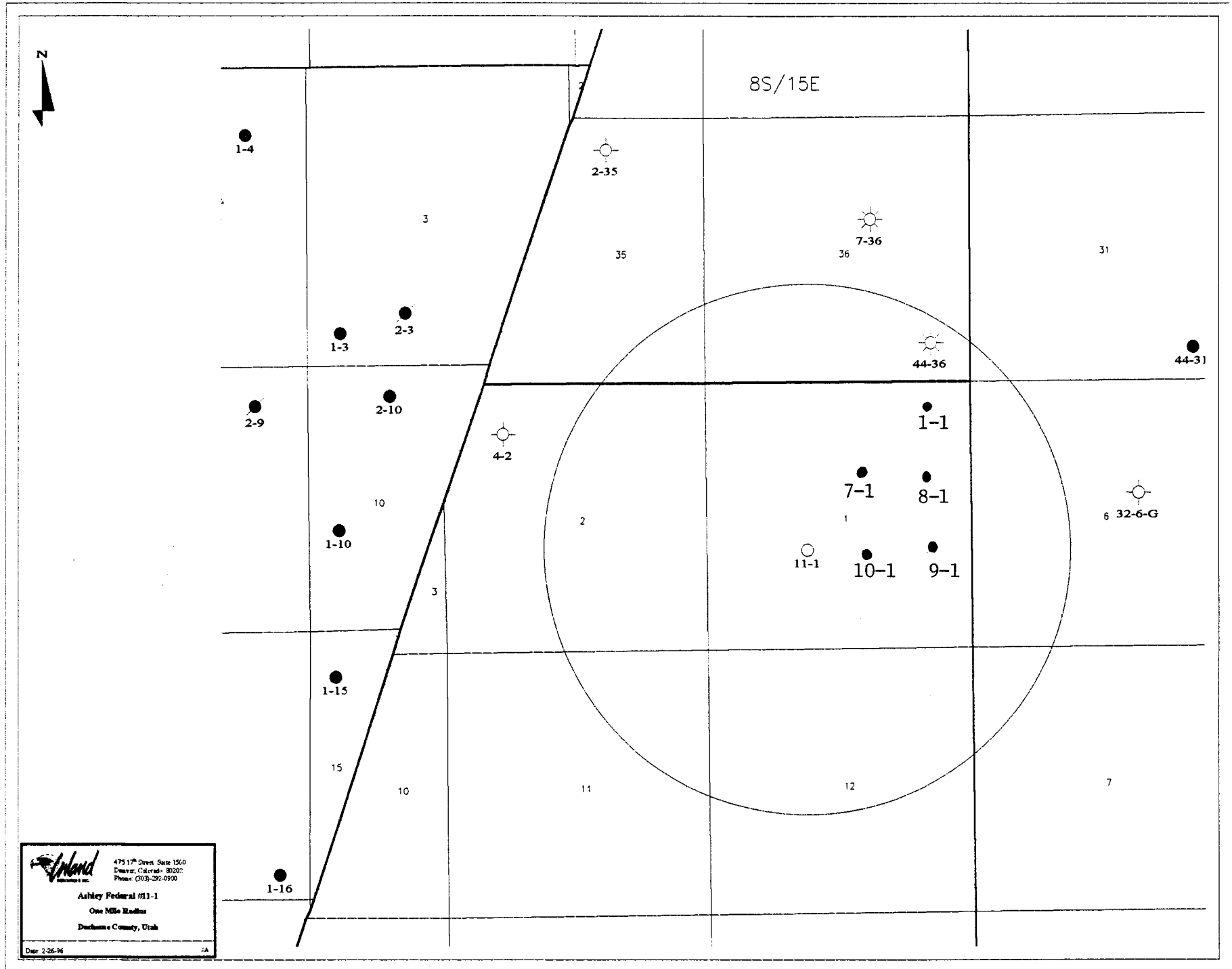
473 17th Street Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 292-0900

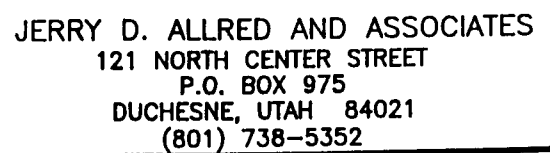
**Regional Area**

Duchesne County, Utah

Dec 4/1997
J.A.

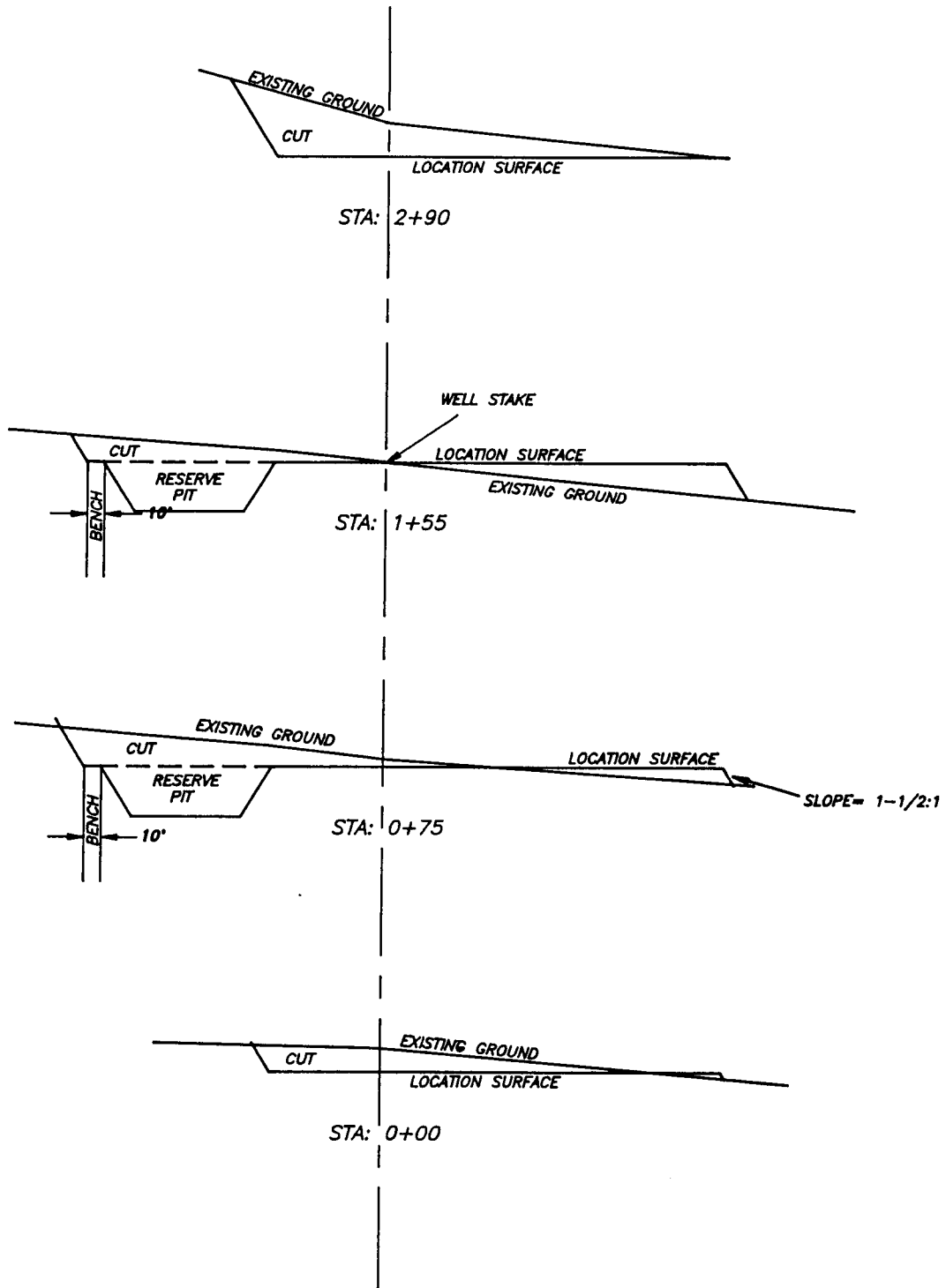
# EXHIBIT "D"





INLAND PRODUCTION CO.  
 LOCATION LAYOUT PLAT  
 ASHLEY FEDERAL #11-1  
 SECTION 1, T9S, R15E, S.L.B.&M.

X-SECTION  
 SCALE  
 $1" = 20'$   
 $1" = 50'$



## APPROXIMATE QUANTITIES

CUT: 2700 CU. YDS.  
 FILL: 1000 CU. YDS.

JERRY D. ALLRED AND ASSOCIATES  
 121 NORTH CENTER STREET  
 P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (801) 738-5352

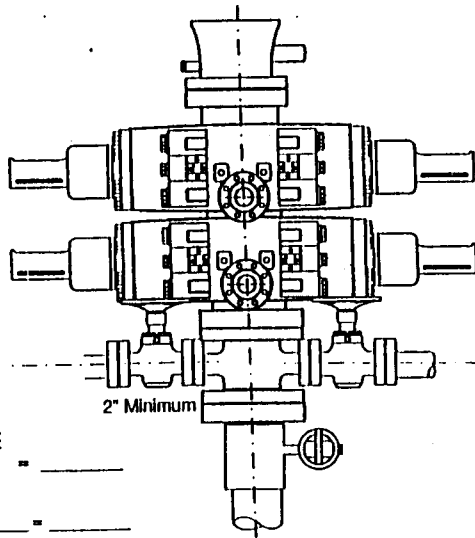
18 APRIL 1997

84-121-075

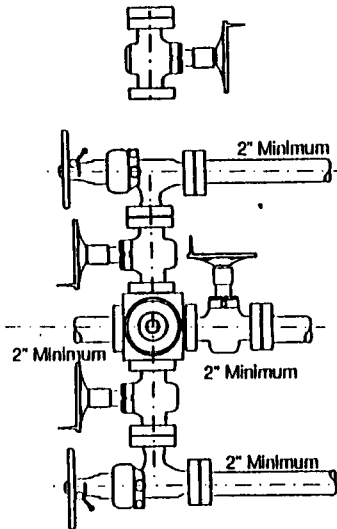
# EXHIBIT "F"

## 2-M SYSTEM

RAM TYPE B.O.P.  
Make:  
Size:  
Model:



GAL TO CLOSE  
Annular BOP = \_\_\_\_\_  
Ramtype BOP  
\_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_ Gal.  
\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher  
increment of 10 gal. would require  
\_\_\_\_\_ Gal. (total fluid & nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/05/97

API NO. ASSIGNED: 43-013-31926

WELL NAME: ASHLEY FEDERAL 11-1  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
CONTACT: Cheryl Cameron (435) 789-1866

PROPOSED LOCATION:  
NESW 01 - T09S - R15E  
SURFACE: 1981-FSL-1978-FWL  
BOTTOM: 1981-FSL-1978-FWL  
DUCHESNE COUNTY  
UNDESIGNATED FIELD (002)

LEASE TYPE: FED  
LEASE NUMBER: U-74826  
SURFACE OWNER: Federal

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State[] Fee[]  
(No. #4488944)  
☒ Potash (Y/N)  
☒ Oil Shale (Y/N) \*190-5(B)  
☒ Water Permit  
(No. Johnson Water District)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)  
N/A St/Fee Surf Agreement (Y/N)

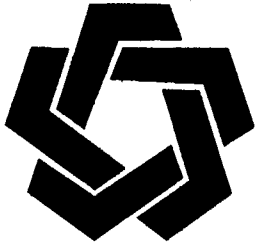
LOCATION AND SITING:

☒ R649-2-3. Unit Ashley  
\_\_\_\_ R649-3-2. General  
\_\_\_\_ R649-3-3. Exception  
\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS:

STIPULATIONS: ① FEDERAL APPROVAL





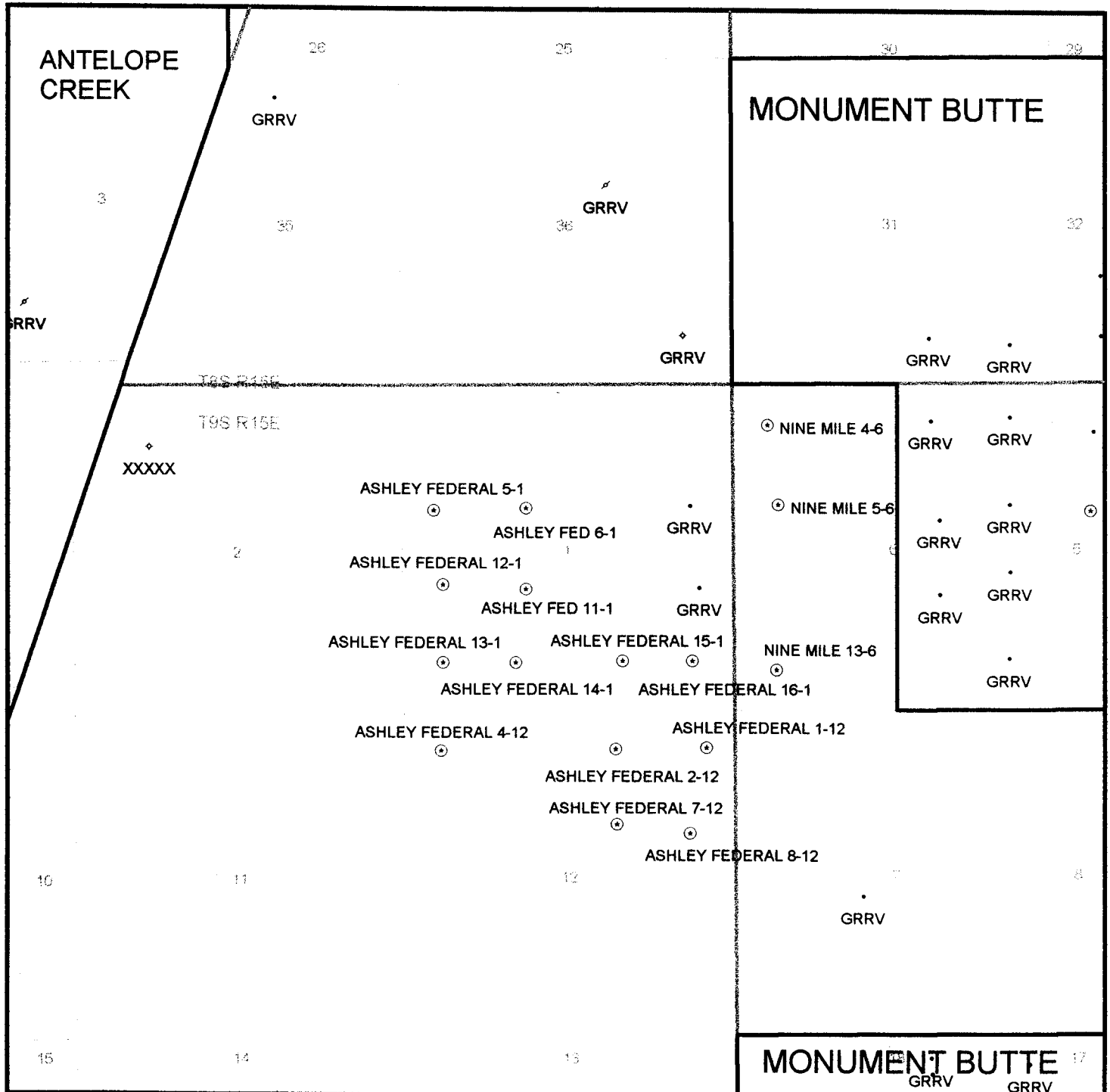
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: UNDESIGNATED (002)

SEC. TWP. RNG.: SEC. 1 & 12, T9S, R15E

COUNTY: DUCHESNE UAC: R649-3-2



DATE PREPARED:  
28-NOV-1997



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

July 2, 1998

Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84079

Re: Ashley Federal 11-1 Well, 1981' FSL, 1978' FWL, NE SW,  
Sec. 1, T. 9 S., R. 15 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31926.

Sincerely,

A handwritten signature in cursive script, reading 'John R. Baza'.

John R. Baza  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number: Ashley Federal 11-1  
API Number: 43-013-31926  
Lease: U-74826  
Location: NE SW Sec. 1 T. 9 S. R. 15 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours prior to spudding the well. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supercede the required federal approval which must be obtained prior to drilling.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

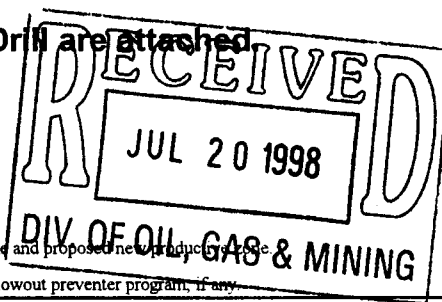
**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input type="checkbox"/> ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>Ashley</b>
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079</b> Phone: <b>(801) 789-1866</b>		8. FARM OR LEASE NAME <b>Ashley Federal</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface <b>NE/SW</b> At proposed Prod. Zone <b>1981' FSL &amp; 1978' FWL</b>		9. WELL NO. <b>#11-1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>13.2 Miles southwest of Myton, Utah</b>		10. FIELD AND POOL OR WILDCAT <b>Ashley</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1978'</b>	16. NO. OF ACRES IN LEASE <b>2189.98</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 1, T9S R15E</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>1316'</b>	19. PROPOSED DEPTH <b>6500'</b>	12. County <b>Duchesne</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5940' GR</b>		13. STATE <b>UT</b>
22. APPROX. DATE WORK WILL START* <b>4th Quarter 1997</b>		

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

**The Conditions of Approval For Application For Permit To Drill are attached**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Cheryl Cameron* TITLE **Regulatory Compliance Specialist** DATE **11/25/97**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Howard R. Leary* TITLE **Assistant Field Manager Mineral Resources** DATE **7/17/98**

**CONDITIONS OF APPROVAL ATTACHED**  
\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*DOGM*  
*98MH0168A*

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

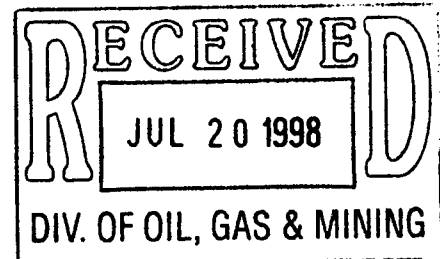
Company/Operator: Inland Production Company

Well Name & Number: Ashley Federal 11-1

API Number: 43-013-31926

Lease Number: U -74826

Location: NESW Sec. 01 T. 9S R. 15E



For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. **DRILLING PROGRAM**

1. **Casing Program and Auxiliary Equipment**

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 350$  ft. or by setting surface casing to 400 ft and having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone.

**SURFACE USE PROGRAM**  
**Conditions of Approval (COAs)**

- The reserve pit topsoil shall be piled separately.
- A separate pile of subsoil shall be constructed near the access road to be used for the construction of berms and dikes.
- The reserve pit shall be lined if basting is necessary.
- The location topsoil pile shall be winrowed along the entire north side of the location between corners 2 and 8, then seeded immediately after the soil is piled by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed. The seed mix is provided below. All poundages are in Pure Live Seed.

Needle & Thread Grass	Stipa comata	3 lbs.
Shadscale	Atriplex confertifolia	3 lbs.
Four-wing Salt Brush	Atriplex canescens	4 lbs.
Western Wheat Grass	Agropyron smithii	2 lbs.

- Once the reserve pit is dry, it shall be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.
- Construction shall not take place between February 1 to July 15 to allow raptors to utilize the territory during the reproductive period.
- The location shall be equipped with a multi-cylinder engine or "hospital" muffler to reduce the noise associated with pumping activities, both on and within the vicinity of the location.
- Construction shall not take place from April 1 to July 15 if Burrowing Owl (*Athene cunicularia*) nest are found within a 0.5 mile radius survey of the location.
- Before construction and drilling activities a detailed survey of the area within 0.5 mile of the location and 300 feet either side of the centerline of the proposed access route shall be made by BLM or a qualified biologist to detect the presence of Mountain Plovers (*Charadrius montanus*). Extreme care shall be exercised to locate plovers due to their highly secretive and quiet nature. Where possible, the survey shall first be made from a stationary vehicle.

All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot. The survey will be conducted no more than 14 days apart with the last survey no more than 14 days prior to the start-up date. Surveys shall be conducted as follows in the table below.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

If the presence of plovers with active nests are found the construction shall be delayed until the chicks are out of the downy plumage, the brood vacates the area of influence, or the nest has failed, potentially between March 15 and August 15.



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: ASHLEY FEDERAL 11-1

Api No. 43-013-31926 Lease Type: FEDERAL

Section 1 Township 9S Range 15E County DUCHESNE

Drilling Contractor UNION RIG # 14

SPUDDED:

Date 9/17/98

Time

How ROTARY

Drilling will commence

Reported by MIKE WARD

Telephone #

Date: 9/21/98 Signed: JLT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL 11-1**

9. API Well No.

**43-013-31926**

10. Field and Pool, or Exploratory Area

**ASHLEY**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1981 FSL 1978 FWL NE/SW Section 1, T09S R15E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

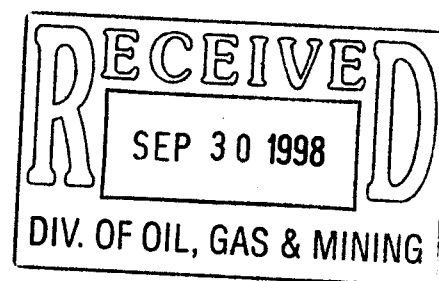
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Surface Spud**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU. Drl & set MH & RH. Drl & set conductor. **SPUD WELL @ 2:00 PM, 9/16/98.** NU cellar. Drl Kelly dn. Drl 12-1/4" hole 20' - 325'. C&C. TOH. ND cellar. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg, WHI "W92" csg head (293'). Csg set @ 302'. RU BJ. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/140 sx Class "G" w/2% CC & 1/4#/sk Cello Flake (15.8 ppg 1.17 cf/sk yield). Had 2 bbl cmt returns. RD BJ. WOC. NU BOP's.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

9/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL 11-1**

9. API Well No.

**43-013-31926**

10. Field and Pool, or Exploratory Area

**ASHLEY**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1981 FSL 1978 FWL NE/SW Section 1, T09S R15E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Weekly Status**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

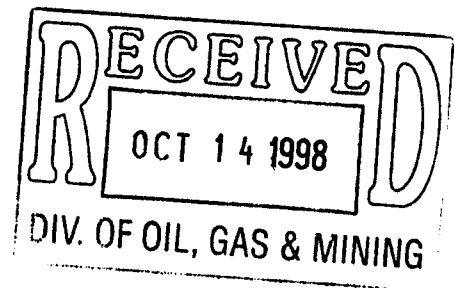
**WEEKLY STATUS REPORT FOR THE PERIOD OF 9/24/98 - 10/7/98**

Perf CP sds @ 5709-13' & 5771-81'.

Perf LDC sds @ 5478-5513'.

Perf A sds @ 5241-53'.

Perf B sds @ 5040-46', 5084-88' & 5121-31'.



14. I hereby certify that the foregoing is true and correct

Signed Shannon Smith Title Engineering Secretary Date 10/9/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL 11-1**

9. API Well No.

**43-013-31926**

10. Field and Pool, or Exploratory Area

**ASHLEY**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1981 FSL 1978 FWL NE/SW Section 1, T09S R15E**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

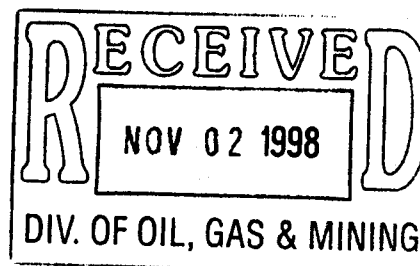
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 10/8/98 - 10/21/98**

Swab well. Trip production tbg.  
Place well on production @ 10:30 am, 10/12/98.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company  
ADDRESS 410 17th St, Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	99999	12490	43-013-2015	NINE MILE 14-31	SE/SW	31	085	16E	Duchesne	9/8/98	
WELL 1 COMMENTS: Spud well w/ Union, Rig #14 @ 10:00 pm 9/8/98. 981027 entity added. KDR											
	99999	12491	43-013-32082	CASTLE DRAW 12-4	NW/SW	4	095	17E	Duchesne	9/16/98	
WELL 2 COMMENTS: Spud well w/ Union, Rig #7 @ 11:15 a.m., 9/16/98. 981027 entity added. KDR											
	99999	12419	43-013-3426	ASHLEY FEDERAL 11-1	NW/SW	1	095	15E	Duchesne	9/16/98	
WELL 3 COMMENTS: Spud well w/ Union, Rig #14 @ 2:00 pm, 9/16/98. Ashley Unit 981027 entity added; (Ashley unit). KDR											
	99999	12275	43-047-31195	CASTLE DRAW 10-28-9-17	NW/SE	2	095	17E	Uintah	7/27/98	
WELL 4 COMMENTS: Spud well w/ Leon Ross @ 1:00 pm, 7/27/98. Castle Draw Unit 981027 entity added; (Castle Draw unit/sec). KDR											
	99999	12419	43-013-22005	Ashley Unit 1-12	NW/NE	12	095	15E	Duchesne	9/29/98	
WELL 5 COMMENTS: Spud well w/ Union, Rig #14 @ 3:00 pm, 9/29/98. Ashley Unit 981027 entity added; (Ashley unit). KDR											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Shannon Smith  
Signature

Engineering Secretary 04/02/98  
Title Date

Phone No. (303) 382-4441

Oct. 26, 1998 5:13 PM INLAND RESOURCES

NO. 1439 P. 2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

<b>1a. TYPE OF WORK</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____ <b>1b. TYPE OF WELL</b> NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____						<b>5. LEASE DESIGNATION AND SERIAL NO.</b> U-74826 <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>  <b>7. UNIT AGREEMENT NAME</b> ASHLEY <b>8. FARM OR LEASE NAME, WELL NO.</b> ASHLEY FEDERAL 11-1 <b>9. API WELL NO.</b> 43-013-31926 <b>10. FIELD AND POOL OR WILDCAT</b> ASHLEY <b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b> Section 1, T09S R15E <b>12. COUNTY OR PARISH</b> DUCHESNE <b>13. STATE</b> UT																																											
<b>2. NAME OF OPERATOR</b> INLAND RESOURCES INC. <b>3. ADDRESS AND TELEPHONE NO.</b> 410 17th St. Suite 700 Denver CO 80202 <b>4. LOCATION OF WELL</b> (Report locations clearly and in accordance with any State requirements) At Surface NE/SW At top prod. Interval reported below 1981' FSL 1978' FWL At total depth						<div style="border: 2px solid black; padding: 10px; width: 150px; margin: 0 auto;"> <b>RECEIVED</b>          NOV 23 1998          DIV. OF OIL, GAS &amp; MINING       </div>																																											
<b>14. PERMIT NO.</b> 43-013-31926 <b>15. DATE SPUNDED</b> 9/16/98 <b>16. DATE T.D. REACHED</b> 9/22/98 <b>17. DATE COMPL. (Ready to prod.)</b> 10/12/98 <b>18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*</b> 5950' KB 5940' GL <b>19. ELEV. CASINGHEAD</b>  <b>20. TOTAL DEPTH, MD &amp; TVD</b> 6000' <b>21. PLUG BACK T.D., MD &amp; TVD</b> 5946' <b>22. IF MULTIPLE COMPL., HOW MANY*</b>  <b>23. INTERVALS DRILLED BY</b> -----> X <b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*</b> Green River 5040' - 5781' <b>25. WAS DIRECTIONAL SURVEY MADE</b> No <b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> DIGL/SP/GR/CAL - CN/CD/GR 11-23-98 <b>27. WAS WELL CORED</b> No																																																	
<b>23. CASING RECORD (Report all strings set in well)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CASING SIZE/GRADE</th> <th>WEIGHT, LB./FT.</th> <th>DEPTH SET (MD)</th> <th>HOLE SIZE</th> <th>TOP OF CEMENT, CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>8-5/8</td> <td>24#</td> <td>302'</td> <td>12-1/4</td> <td>140 sx Class "G"</td> <td></td> </tr> <tr> <td>5-1/2</td> <td>15.5#</td> <td>5965'</td> <td>7-7/8</td> <td>270 sx Premium Lite Modified</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>320 sx Class "G"</td> <td></td> </tr> </tbody> </table>						CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED	8-5/8	24#	302'	12-1/4	140 sx Class "G"		5-1/2	15.5#	5965'	7-7/8	270 sx Premium Lite Modified						320 sx Class "G"		<b>29. LINER RECORD</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE</th> <th>TOP (MD)</th> <th>BOTTOM (MD)</th> <th>SACKS CEMENT*</th> <th>SCREEN (MD)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)						<b>30. TUBING RECORD</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE</th> <th>DEPTH SET (MD)</th> <th>PACKER SET (MD)</th> </tr> </thead> <tbody> <tr> <td>2-7/8</td> <td>EOT @ 5842'</td> <td>TA @ 5682'</td> </tr> </tbody> </table>		SIZE	DEPTH SET (MD)	PACKER SET (MD)	2-7/8	EOT @ 5842'	TA @ 5682'
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED																																												
8-5/8	24#	302'	12-1/4	140 sx Class "G"																																													
5-1/2	15.5#	5965'	7-7/8	270 sx Premium Lite Modified																																													
				320 sx Class "G"																																													
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																																													
SIZE	DEPTH SET (MD)	PACKER SET (MD)																																															
2-7/8	EOT @ 5842'	TA @ 5682'																																															
<b>31. PERFORATION RECORD (Interval, size and number)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>INTERVAL</th> <th>SIZE</th> <th>NUMBER</th> </tr> </thead> <tbody> <tr> <td>CP 5709-13', 5771-81'</td> <td>4 SPF</td> <td>56 Holes</td> </tr> <tr> <td>LDC 5478-5513'</td> <td>2 SPF</td> <td>70 Holes</td> </tr> <tr> <td>A 5241-53'</td> <td>4 SPF</td> <td>48 Holes</td> </tr> <tr> <td>B 5040-46', 5084-88', 5121-31'</td> <td>4 SPF</td> <td>80 Holes</td> </tr> </tbody> </table>						INTERVAL	SIZE	NUMBER	CP 5709-13', 5771-81'	4 SPF	56 Holes	LDC 5478-5513'	2 SPF	70 Holes	A 5241-53'	4 SPF	48 Holes	B 5040-46', 5084-88', 5121-31'	4 SPF	80 Holes	<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND KIND OF MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>5709' - 5781'</td> <td>95,644# 20/40 sd in 530 bbls Viking I-25</td> </tr> <tr> <td>5478' - 5513'</td> <td>105,753# 20/40 sd in 564 bbls Viking I-25</td> </tr> <tr> <td>5241' - 5253'</td> <td>102,644# 20/40 sd in 532 bbls Viking I-25</td> </tr> <tr> <td>5040' - 5131'</td> <td>209,458# 20/40 sd in 545 bbls Viking I-25</td> </tr> </tbody> </table>		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	5709' - 5781'	95,644# 20/40 sd in 530 bbls Viking I-25	5478' - 5513'	105,753# 20/40 sd in 564 bbls Viking I-25	5241' - 5253'	102,644# 20/40 sd in 532 bbls Viking I-25	5040' - 5131'	209,458# 20/40 sd in 545 bbls Viking I-25																	
INTERVAL	SIZE	NUMBER																																															
CP 5709-13', 5771-81'	4 SPF	56 Holes																																															
LDC 5478-5513'	2 SPF	70 Holes																																															
A 5241-53'	4 SPF	48 Holes																																															
B 5040-46', 5084-88', 5121-31'	4 SPF	80 Holes																																															
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																																
5709' - 5781'	95,644# 20/40 sd in 530 bbls Viking I-25																																																
5478' - 5513'	105,753# 20/40 sd in 564 bbls Viking I-25																																																
5241' - 5253'	102,644# 20/40 sd in 532 bbls Viking I-25																																																
5040' - 5131'	209,458# 20/40 sd in 545 bbls Viking I-25																																																
<b>33.* PRODUCTION</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE FIRST PRODUCTION</th> <th>PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)</th> <th>WELL STATUS (Producing or shut-in)</th> </tr> </thead> <tbody> <tr> <td>10/12/98</td> <td>2-1/2" x 1-1/2" x 16' RHAC Pump</td> <td>Producing</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE OF TEST</th> <th>HOURS TESTED</th> <th>CHOKE SIZE</th> <th>PROD'N. FOR TEST PERIOD</th> <th>OIL--BBL.</th> <th>GAS--MCF.</th> <th>WATER--BBL.</th> <th>GAS-OIL RATIO</th> </tr> </thead> <tbody> <tr> <td>10 day ave</td> <td>10/1/98</td> <td></td> <td>→</td> <td>99</td> <td>246</td> <td>4</td> <td>2.48</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FLOW. TUBING PRESS.</th> <th>CASING PRESSURE</th> <th>CALCULATED 24-HOUR RATE</th> <th>OIL--BBL.</th> <th>GAS--MCF.</th> <th>WATER--BBL.</th> <th>OIL GRAVITY-API (CORR.)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>→</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)	10/12/98	2-1/2" x 1-1/2" x 16' RHAC Pump	Producing	DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO	10 day ave	10/1/98		→	99	246	4	2.48	FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)			→												
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)																																															
10/12/98	2-1/2" x 1-1/2" x 16' RHAC Pump	Producing																																															
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO																																										
10 day ave	10/1/98		→	99	246	4	2.48																																										
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)																																											
		→																																															
<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> Sold & Used for Fuel <b>TEST WITNESSED BY</b>  																																																	
<b>35. LIST OF ATTACHMENTS</b> Logs In Item #26 <b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</b> SIGNED <u>Shannon Smith</u> TITLE <u>Engineering Secretary</u> DATE <u>11/18/98</u>																																																	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	3762'					
Garden Gulch 2	4115'					
Point 3 Mkr	4373'					
X Mkr	4643'					
Y-Mkr	4681'					
Douglas Creek Mkr	4791'					
BiCarbonate Mkr	5030'					
B Limestone Mkr	5147'					
Castle Peak	5676'					
Basal Carbonate	NDE					
Total Depth	6000'					



July 22, 1999

242.2

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Ashley Federal #11-1-9-15  
Monument Butte Field, Ashley Unit, Lease #UTU-74826  
Section 1-Township 9S-Range 15E  
Duchesne County, Utah

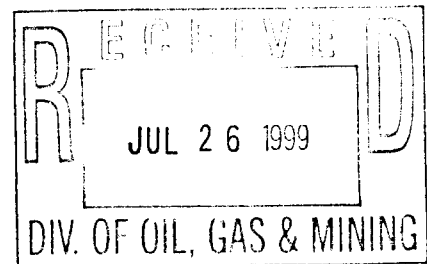
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Ashley Federal #11-1-9-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; in addition, we have included a cement bond log for your convenience. We would much appreciate the return of said log when you no longer need it, however. If you have any questions or require additional information, please contact Jon Holst at (303) 893-0102.

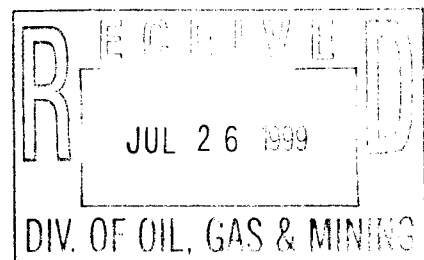
Sincerely,

John E. Dyer  
Chief Operating Officer



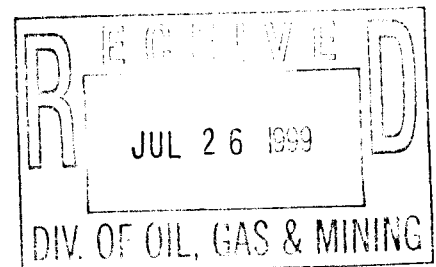


**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**ASHLEY FEDERAL #11-1-9-15**  
**ASHLEY UNIT**  
**MONUMENT BUTTE (GREEN RIVER) FIELD**  
**LEASE #UTU-74826**  
**JULY 22, 1999**



## **TABLE OF CONTENTS**

<b>LETTER OF INTENT</b>	
<b>COVER PAGE</b>	
<b>TABLE OF CONTENTS</b>	
<b>UIC FORM 1 – APPLICATION FOR INJECTION WELL</b>	
<b>WELLBORE DIAGRAM OF PROPOSED INJECTION</b>	
<b>WORK PROCEDURE FOR INJECTION CONVERSION</b>	
<b>COMPLETED RULE R615-5-1 QUESTIONNAIRE</b>	
<b>COMPLETED RULE R615-5-2 QUESTIONNAIRE</b>	
<b>ATTACHMENT A</b>	<b>ONE-HALF MILE RADIUS MAP</b>
<b>ATTACHMENT A-1</b>	<b>WELL LOCATION PLAT</b>
<b>ATTACHMENT B</b>	<b>LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS</b>
<b>ATTACHMENT C</b>	<b>CERTIFICATION FOR SURFACE OWNER NOTIFICATION</b>
<b>ATTACHMENT E</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #11-1-9-15</b>
<b>ATTACHMENT E-1</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #5-1-9-15</b>
<b>ATTACHMENT E-2</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #6-1-9-15</b>
<b>ATTACHMENT E-3</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #7-1-9-15</b>
<b>ATTACHMENT E-4</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #10-1-9-15</b>
<b>ATTACHMENT E-5</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #12-1-9-15</b>
<b>ATTACHMENT E-6</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #13-1-9-15</b>
<b>ATTACHMENT E-7</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #14-1-9-15</b>
<b>ATTACHMENT E-8</b>	<b>WELLBORE DIAGRAM – ASHLEY FEDERAL #15-6-9-16</b>
<b>ATTACHMENT F</b>	<b>WATER ANALYSIS OF THE FLUID TO BE INJECTED</b>
<b>ATTACHMENT F-1</b>	<b>WATER ANALYSIS OF THE FLUID IN THE FORMATION</b>
<b>ATTACHMENT F-2</b>	<b>WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS</b>
<b>ATTACHMENT G</b>	<b>FRACTURE GRADIENT CALCULATIONS</b>
<b>ATTACHMENT G-1</b>	<b>COMPLETION REPORT DATED 10/1/98 TO 10/8/98</b>
<b>ATTACHMENT H</b>	<b>WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT</b>
<b>ATTACHMENT H-1</b>	<b>WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL</b>



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202

Well Name and number: Ashley Federal #11-1-9-15  
Field or Unit name: Monument Butte (Green River) Ashley Unit Lease No. UTU-74826  
Well Location: QQ NESW section 1 township 9S range 15E county Duchesne

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? ..... Yes ☒ No ☐  
Disposal? ..... Yes ☐ No ☒  
Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☒ No ☐

Date of test: 9/29/98

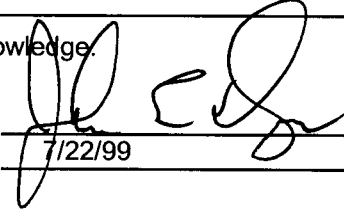
API number: 43-013-31926

Proposed injection interval: from 5040' to 5781'  
Proposed maximum injection: rate 500 bpd pressure 2131 psig  
Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Exhibits "A" through "G"

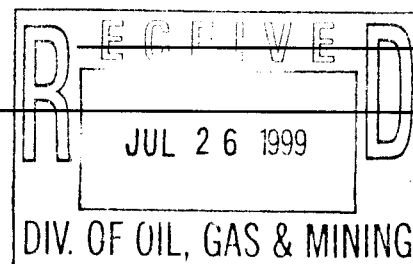
I certify that this report is true and complete to the best of my knowledge.

Name: John E. Dyer Signature   
Title Chief Operating Officer Date 7/22/99  
Phone No. (303) 898-0102

(State use only)

Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:



# Ashley Federal #11-1

Spud Date: 9/16/98  
Put on Production: 10/12/98  
GL: 5940' KB: 5950'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 293'  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 2 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5956')  
DEPTH LANDED: 5965'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 270 sxs Premium Lite mixed & 320 sxs Class G  
CEMENT TOP AT: 318'

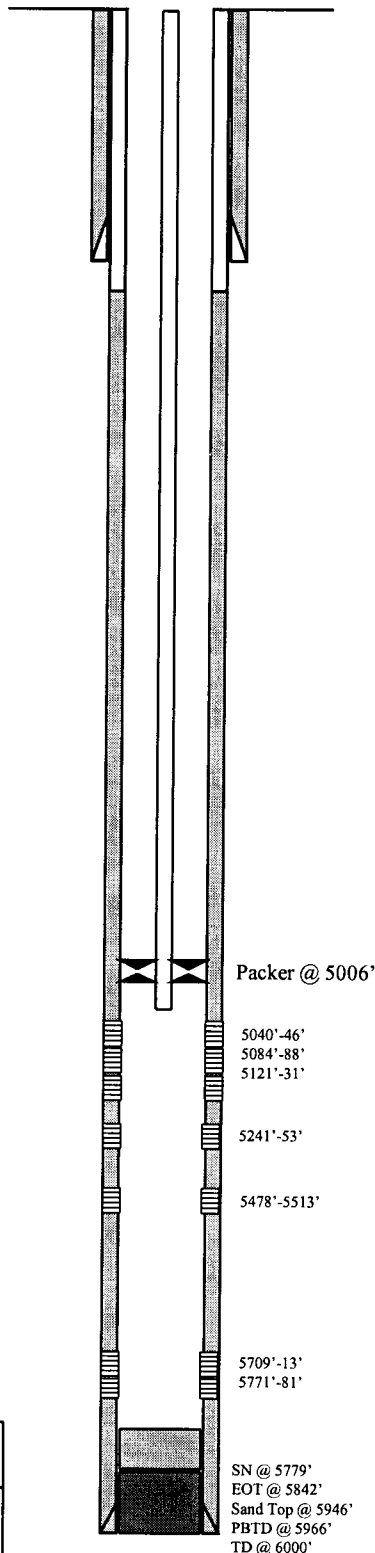
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 157 jts  
PACKER: 5006'  
SEATING NIPPLE: 5004'  
TOTAL STRING LENGTH: EOT @ 5008'

## SUCKER RODS

POLISHED ROD:  
SUCKER RODS:  
PUMP SIZE:  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: CNL/CDL/GR  
DIFL/SP/GR/CAL

## Proposed Injection Wellbore Diagram



Initial Production: 99 BOPD,  
246 MCFPD, 4 BWPD

## FRAC JOB

9/30/98 5709'-5781' **Frac CP-0.5 & CP-1 sands as follows:**  
95,644# 20/40 sand in 530 bbls Viking I-25 fluid. Perfs broke down @ 4000 psi. Treated @ avg press of 1710 psi. w/avg rate of 29 BPM. ISIP-2400 psi, 5-min 2111 psi. Flowback on 12/64" choke for 4-1/2 hours and died.

10/2/98 5478'-5513' **Frac LODC sand as follows:**  
105,753# 20/40 sand in 564 bbls Viking I-25 fluid. Perfs broke down @ 3537 psi. Treated @ avg press of 1775 psi. w/avg rate of 29.9 BPM. ISIP-2150 psi, 5-min 2069 psi. Flowback on 12/64" choke for 4-1/2 hours and died.

10/5/98 5241'-5253' **Frac A-1 sand as follows:**  
102,644# 20/40 sand in 532 bbls Viking I-25 fluid. Perfs broke down @ 3688 psi. Treated @ avg press of 2500 psi. w/avg rate of 28.6 BPM. ISIP-3200 psi, 5-min 2894 psi. Flowback on 12/64" choke for 3 hours and died.

10/7/98 5040'-5131' **Frac B-0.5, B-1 & B-2 sands as follows:**  
108,458# 20/40 sand in 545 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2600 psi. w/avg rate of 30.5 BPM. ISIP-2800 psi, 5-min 2855 psi. Flowback on 12/64" choke for 2-1/2 hours and died.

## PERFORATION RECORD

Date	Depth Range	Perforations	Holes
9/29/98	5709'-5713'	4 JSPF	16 holes
9/29/98	5771'-5781'	4 JSPF	40 holes
10/1/98	5478'-5513'	4 JSPF	70 holes
10/3/98	5241'-5253'	4 JSPF	48 holes
10/6/98	5040'-5046'	4 JSPF	24 holes
10/6/98	5084'-5088'	4 JSPF	16 holes
10/6/98	5121'-5153'	4 JSPF	48 holes



**Inland Resources Inc.**

**Ashley Federal #11-1**

1981 FSL 1978 FWL

NSW Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31926; Lease #U-74826

## **WORK PROCEDURE FOR INJECTION CONVERSION**

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
  - 2.1 The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202
  - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A
  - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Ashley Federal #11-1-9-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Ashley Unit.
  - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Ashley Federal #11-1-9-15 well, the proposed injection zone is from 5040'-5781'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Ashley Federal #11-1-9-15 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74826) in the Monument Butte (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and A-1.

- 2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 302' GL, and the 5-1/2" casing run from surface to 5965' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.



**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1500 psig and the maximum injection pressure will not exceed 2131 psig.

**2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Ashley Federal #11-1-9-15, for proposed zones (5040'-5781') calculates at .824 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2131 psig. See Attachment G through G-1.

**2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Ashley Federal #11-1-9-15, the injection zone (5040'-5781') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' within the Monument Butte area. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-8.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.**

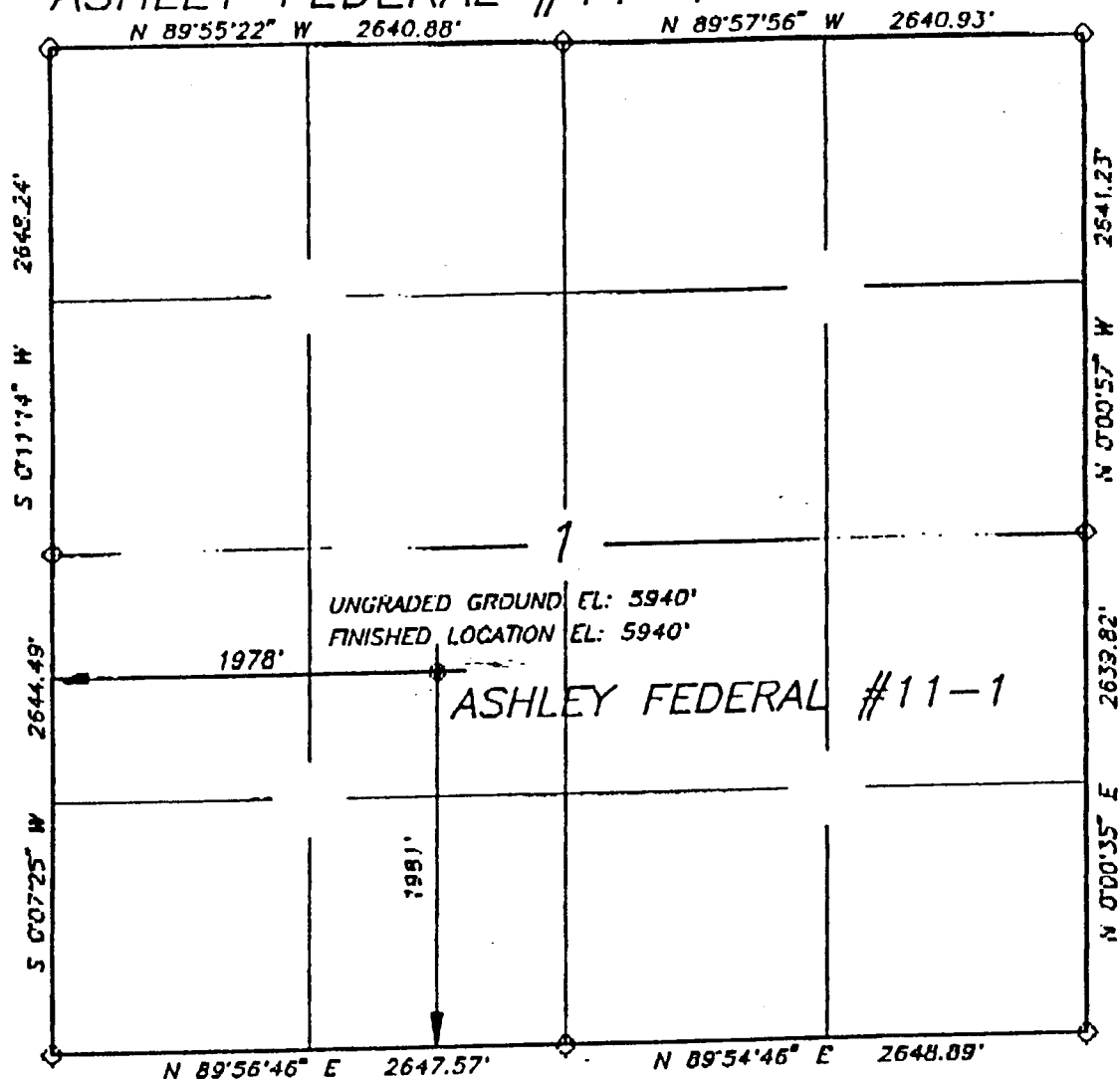
Inland Production Company will supply any requested information to the Board or Division.



Attachment A-1

# INLAND PRODUCTION CO. WELL LOCATION PLAT ASHLEY FEDERAL #11-1

LOCATED IN THE NE1/4 OF THE SW1/4  
SECTION 1, T9S, R15E, S.L.B.&M.



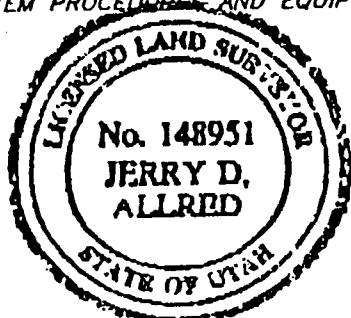
SCALE: 1" = 1000'

## LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.

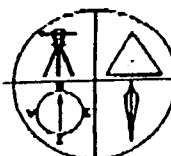
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT.



## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS  
121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESTER, UTAH 84021  
(801)-738-5352

18 APRIL 1997

84-121-075

# EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 15 East</u> Section 1: All Section 3: All Section 10: All Section 11: All Section 12: All	U-74826 HBP	Inland Production Company	(Surface Rights) USA
2	<u>Township 9 South, Range 15 East</u> Section 2: All	ML-43538 HBP	Inland Production Company	(Surface Rights) STATE

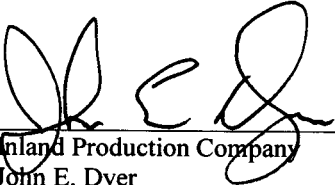
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Ashley Federal #11-1-9-15

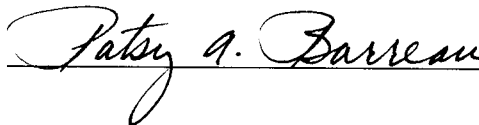
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

  
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 22nd day of July, 1999.

Notary Public in and for the State of Colorado: \_\_\_\_\_





My Commission Expires 11/14/2000

# Attachment E

## Ashley Federal #11-1

Spud Date: 9/16/98  
Put on Production: 10/12/98  
GL: 5940' KB: 5950'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 293'  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 2 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5956')  
DEPTH LANDED: 5965'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 270 sxs Premium Lite mixed & 320 sxs Class G  
CEMENT TOP AT: 318'

Most 7690 to 3145

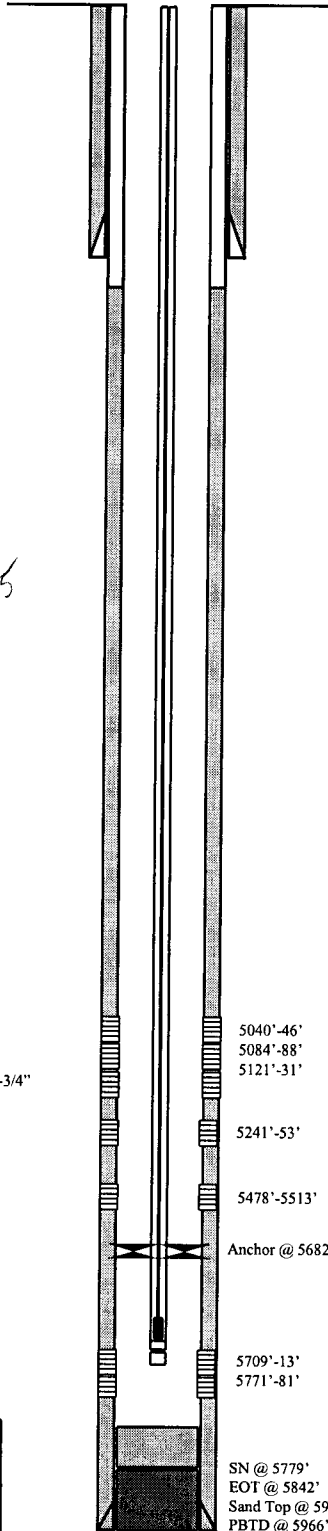
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 183 jts  
TUBING ANCHOR: 5682'  
3 jts tubing  
SEATING NIPPLE: 5779'  
2 jts tubing  
2-7/8" NC  
TOTAL STRING LENGTH: EOT @ 5842'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4-11/2" wt rods, 4-3/4" scraped, 127-3/4" plain, 95-3/4" scraped, 1 - 4' x 3/4" pony rod  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC rod pump  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM  
LOGS: CNL/CDL/GR  
DIFL/SP/GR/CAL

### Wellbore Diagram



Initial Production: 99 BOPD,  
246 MCFPD, 4 BWPD

### FRAC JOB

9/30/98 5709'-5781' **Frac CP-0.5 & CP-1 sands as follows:**  
95,644# 20/40 sand in 530 bbls Viking I-25 fluid. Perfs broke down @ 4000 psi. Treated @ avg press of 1710 psi. w/avg rate of 29 BPM. ISIP-2400 psi, 5-min 2111 psi. Flowback on 12/64" choke for 4-1/2 hours and died.

10/2/98 5478'-5513' **Frac LODC sand as follows:**  
105,753# 20/40 sand in 564 bbls Viking I-25 fluid. Perfs broke down @ 3537 psi. Treated @ avg press of 1775 psi. w/avg rate of 29.9 BPM. ISIP-2150 psi, 5-min 2069 psi. Flowback on 12/64" choke for 4-1/2 hours and died.

10/5/98 5241'-5253' **Frac A-1 sand as follows:**  
102,644# 20/40 sand in 532 bbls Viking I-25 fluid. Perfs broke down @ 3688 psi. Treated @ avg press of 2500 psi. w/avg rate of 28.6 BPM. ISIP-3200 psi, 5-min 2894 psi. Flowback on 12/64" choke for 3 hours and died.

10/7/98 5040'-5131' **Frac B-0.5, B-1 & B-2 sands as follows:**  
108,458# 20/40 sand in 545 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2600 psi. w/avg rate of 30.5 BPM. ISIP-2800 psi, 5-min 2855 psi. Flowback on 12/64" choke for 2-1/2 hours and died.

### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
9/29/98	5709'-5713'	4 JSPF	16 holes
9/29/98	5771'-5781'	4 JSPF	40 holes
10/1/98	5478'-5513'	4 JSPF	70 holes
10/3/98	5241'-5253'	4 JSPF	48 holes
10/6/98	5040'-5046'	4 JSPF	24 holes
10/6/98	5084'-5088'	4 JSPF	16 holes
10/6/98	5121'-5153'	4 JSPF	48 holes



**Inland Resources Inc.**

**Ashley Federal #11-1**

1981 FSL 1978 FWL

NSW Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31926; Lease #U-74826



# Attachment E-1

## Ashley Federal #5-1

Spud Date: 3/2/98  
Put on Production: 4-11-98  
GL: 5935' KB: 5947'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55 ST&C  
WEIGHT: 24#  
LENGTH: 7 jts. (287')  
DEPTH LANDED: 287'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs PremiumPlus, est 5 bbls cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55 8rd  
WEIGHT: 15.5#  
LENGTH: 141 jts.  
DEPTH LANDED: 5988' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 390 sxs Hibond & 384 sx Thixotropic

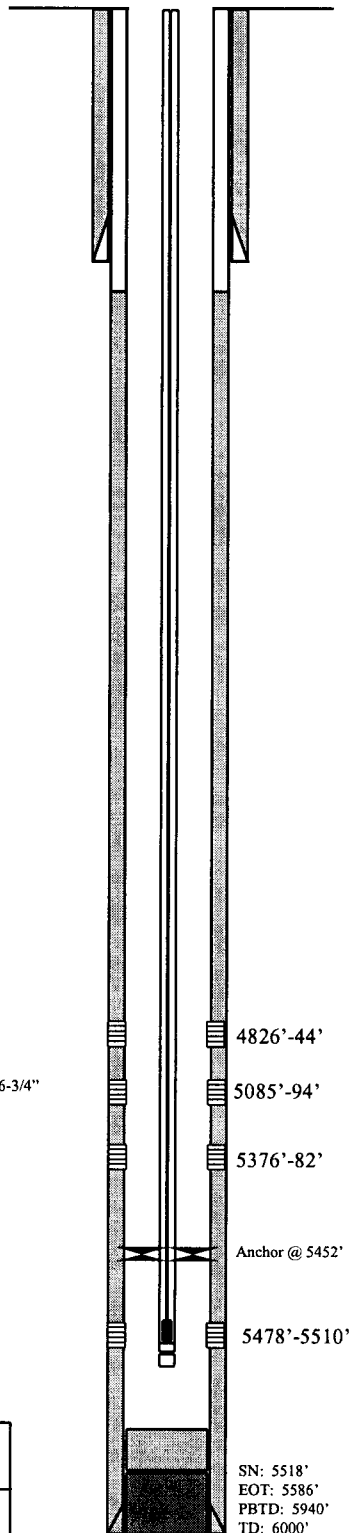
### TUBING

SIZE/GRADE/WT.: 2-7/8" - 6.5# - M-80  
NO. OF JOINTS: 174 jts  
TUBING ANCHOR: 5452'  
SEATING NIPPLE: N/A  
TOTAL STRING LENGTH: 5586'  
SN LANDED AT: 5518'

### SUCKER RODS

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 116-3/4" plain; 96-3/4" scraped; 1-6"x3/4" pony  
PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
STROKE LENGTH: 66"  
PUMP SPEED, SPM: 8 SPM  
LOGS: DIGL/SDL/DSN/GR/CAL

### Wellbore Diagram



Initial Production: 69 BOPD,  
338 MCFPD, 17 BWPD

### FRAC JOB

4-4-98 5376'-5510' **Frac A sand as follows:**  
133,200# 20/40 sand in 638 bbls Boralgel. Breakdown @ 2997 psi. Treated w/avg press of 2200 psi, w/ avg rate of 32 BPM. ISIP-2680 psi, 5 min 2439 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

4-7-98 5085'-5094' **Frac B sand as follows:**  
114,300# 20/40 sand in 548 bbls Delta. Breakdown @ 2819 psi. Treated w/avg press of 2165 psi, w/ avg rate of 26 BPM. ISIP-2561 psi, 5 min 1807 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

4-9-98 4826'-4844' **Frac D sand as follows:**  
114,400# 20/40 sand in 543 bbls Delta. Breakdown @ 2937 psi. Treated w/avg press of 2250 psi, w/ avg rate of 26 BPM. ISIP-2615 psi, 5 min 2405 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

### PERFORATION RECORD

Date	Interval	Tool Joint	Holes
4-3-98	5376'-5382'	2 JSPF	12 holes
4-3-98	5478'-5510'	2 JSPF	64 holes
4-5-98	5085'-5094'	4 JSPF	36 holes
4-8-98	4826'-4844'	4 JSPF	72 holes



Inland Resources Inc.

Ashley Federal #5-1

519' FWL 2028' FNL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31998; Lease #U-74826

# Attachment E-2

## Ashley Federal #6-1

Spud Date: 10/10/97  
Put on Production: 12/3/97  
GL: 5918' KB: 5931'

Initial Production: 106 BOPD,  
119 MCFPD, 18 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 299'  
DEPTH LANDED: 297'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (5927')  
DEPTH LANDED: 5925'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 440 sxs Hibond mixed & 395 sxs thixotropic  
CEMENT TOP AT:

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
NO. OF JOINTS: 189 jts  
TUBING ANCHOR: 5679'  
SEATING NIPPLE:  
TOTAL STRING LENGTH: ?  
SN LANDED AT: 5744'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4-11/2" wt rods, 4-3/4" scraped, 125-3/4" plain, 96-3/4" scraped, 1-4"x3/4" pony rod  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC rod pump  
STROKE LENGTH: 72"  
PUMP SPEED, SPM: 5.5 SPM  
LOGS: CNL/CDL/GR (5926'-2990')  
DIFL/SP/GR/CAL (5946'-302')

### FRAC JOB

11/19/97 5727'-5738' **Frac CP sand as follows:**  
114,300# of 20/40 sand in 559 bbls of Delta Frac. Breakdown @ 3244 psi. Treated @ avg rate of 28 bpm w/avg press of 1750 psi. ISIP-1897 psi, 5-min 1571 psi. Flowback on 12/64" ck for 5 - 1/2 hours and died.

11/21/97 5380'-5434' **Frac A sand as follows:**  
121,300# of 20/40 sand in 573 bbls of Delta Frac. Breakdown @ 2720 psi. Treated @ avg rate of 30.1 bpm w/avg press of 2380 psi. ISIP-3145, 5 min 2571 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

11/23/97 5134'-5157' **Frac B sand as follows:**  
121,300# of 20/40 sand in 562 bbls of # Delta Frac. Breakdown @ 2608 psi. Treated @ avg rate of 26.2 bpm w/avg press of 1900 psi. ISIP-2200 psi, 5-min 1934 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

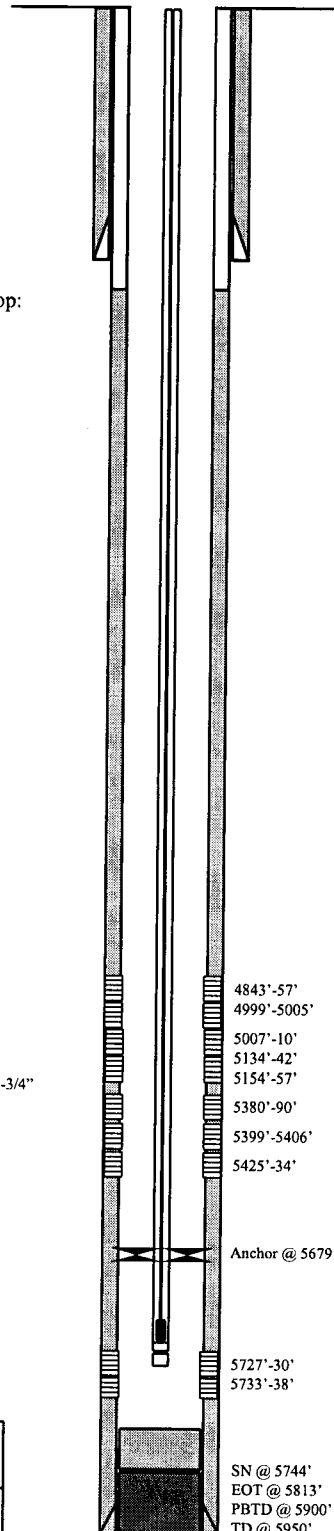
11/26/97 4999'-5010' **Frac C sand as follows:**  
108,300# of 20/40 sand in 524 bbls of # Delta Frac. Breakdown @ 1751 psi. Treated @ avg rate of 27 bpm w/avg press of 2900 psi. ISIP-3380 psi, 5-min 1782 psi. Flowback on 12/64" ck for 3- 1/2 hours and died.

11/29/97 4843'-4857' **Frac D sand as follows:**  
111,300# of 20/40 sand in 539 bbls Delta Frac. Breakdown @ 2765 psi. Treated @ avg press of 2150 psi w/avg rate of 26.4 BPM. ISIP-2607 psi, 5 min 2525 psi. Flowback on 12/64" ck for 4-1/2 hrs. & died.

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
11/18/97	5727'-5730'	4 JSPF	12 holes
11/18/97	5733'-5738'	4 JSPF	20 holes
11/20/97	5380'-5390'	4 JSPF	40 holes
11/20/97	5399'-5406'	4 JSPF	28 holes
11/20/97	5425'-5434'	4 JSPF	36 holes
11/22/97	5134'-5142'	4 JSPF	32 holes
11/22/97	5154'-5157'	4 JSPF	12 holes
11/26/97	4999'-5005'	4 JSPF	24 holes
11/26/97	5007'-5010'	4 JSPF	12 holes
11/27/97	4843'-4857'	4 JSPF	56 holes

Cement Top:



**Inland Resources Inc.**

**Ashley Federal #6-1**

1982 FNL 1980 FWL

SENV Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31927; Lease #U-74826



## Ashley Federal #7-1

Spud Date: 7/7/97  
Put on Production: 8/11/97  
GL: 5896' KB: 5906'

Initial Production: 133 BOPD,  
190 MCFPD, 33 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (292.11')  
DEPTH LANDED: 291.01'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Premium cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts. (5967.32')  
DEPTH LANDED: 5979.83'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 340 sk HiBond mixed & 300 sxs thixotropic  
CEMENT TOP AT: 1118' per CBL

NOT > 80% TO 2460

TUBING

SIZE/GRADE/WT.: 2-7/8"/J-55/6.5#.  
NO. OF JOINTS: 185 jts.  
TUBING ANCHOR: 5711'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5842'  
SN LANDED AT: 5809'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-1" guided, 4-3/4" scraped, 120-3/4" plain rods, 94-3/4" scraped, 1-2", 1-4", 1-6" x 3/4" pony rods  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump  
STROKE LENGTH: 76"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

7/30/97 5734'-5808' **Frac CP-0.5 & CP-2 sands as follows:**  
180,700# of 20/40 sand in 478 bbls of Boragel. Perfs broke down @ 3242 psi. Treated @ avg press of 4800 psi w/avg rate of 28 bpm. ISIP-2268, 5-min 2050 psi. Flowback on 12/64" ck. for 3-1/2 hours and died.

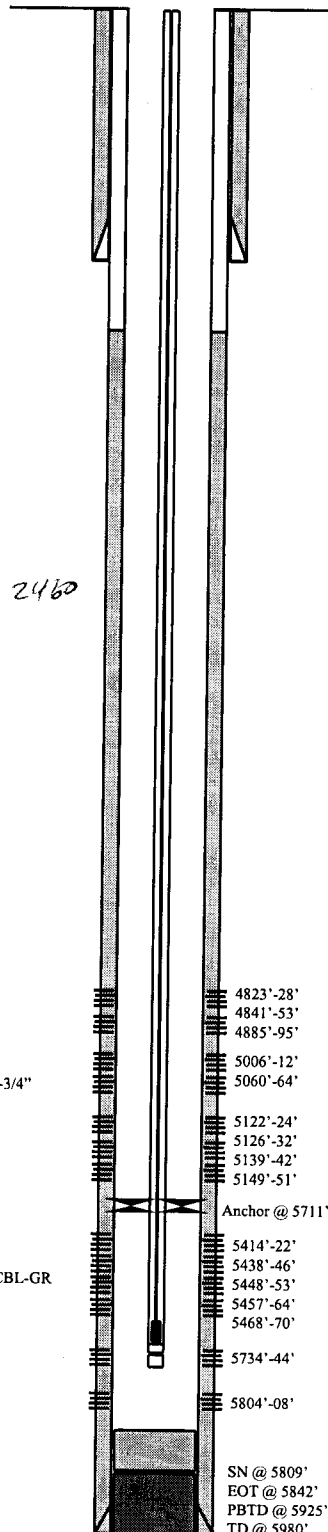
8/1/97 5414'-5470' **Frac LODC sands as follows:**  
112,900# of 20/40 sand in 473 bbls of Boragel. Perfs broke down @ 4336 psi. Treated @ avg press of 6850 psi w/avg rate of 27.3 bpm. 441 gal into flush, it appeared the pkr failed.

8/4/97 5006'-5151' **Frac C, B-1 & B-2 sands as follows:**  
128,600# of 20/40 sand in 554 bbls of Boragel. Breakdown @ 4800 psi. Treated w/avg rate 31.5 bpm w/avg press of 6600 psi. ISIP 2195 psi, 5-min 1993 psi. Shut flowback on 12/64" ck @ 1 bpm until dead.

8/6/97 4823'-4895' **Frac D-1 & D-2 sands as follows:**  
95,500# of 20/40 sand in 422 bbls of Boragel. Brokedown @ 2740 psi. Treated @ avg rate 26 bpm w/avg press of 5800 psi. ISIP-2897 psi, 5-min 2856 psi. Flowback @ 1 bpm until dead.

PERFORATION RECORD

Date	Depth	Perforations	Holes
7/28/97	5804'-5808'	4 JSPF	16 holes
7/28/97	5734'-5744'	4 JSPF	40 holes
7/31/97	5414'-5422'	4 JSPF	32 holes
7/31/97	5438'-5446'	4 JSPF	32 holes
7/31/97	5448'-5453'	4 JSPF	20 holes
7/31/97	5457'-5464'	4 JSPF	28 holes
7/31/97	5468'-5470'	4 JSPF	8 holes
8/2/97	5006'-5012'	4 JSPF	24 holes
8/2/97	5060'-5064'	4 JSPF	16 holes
8/2/97	5122'-5124'	4 JSPF	8 holes
8/2/97	5126'-5132'	4 JSPF	24 holes
8/2/97	5139'-5142'	4 JSPF	12 holes
8/2/97	5149'-5151'	4 JSPF	8 holes
8/5/97	4823'-4828'	4 JSPF	20 holes
8/5/97	4841'-4853'	4 JSPF	48 holes
8/5/97	4885'-4895'	4 JSPF	40 holes



Inland Resources Inc.

Ashley Federal #7-1

1787 FNL 2092 FEL

SWNE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31823; Lease #U-74826

## Ashley Federal #10-1

Spud Date: 7/15/97  
Put on Production: 8/16/97  
GL: 5381' KB: 5391'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (287.73')  
DEPTH LANDED: 297.48' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 155 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (5927.70')  
DEPTH LANDED: 5983' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Hibond mixed & 305 sxs thixotropic  
CEMENT TOP AT: NA per CBL

TUBING

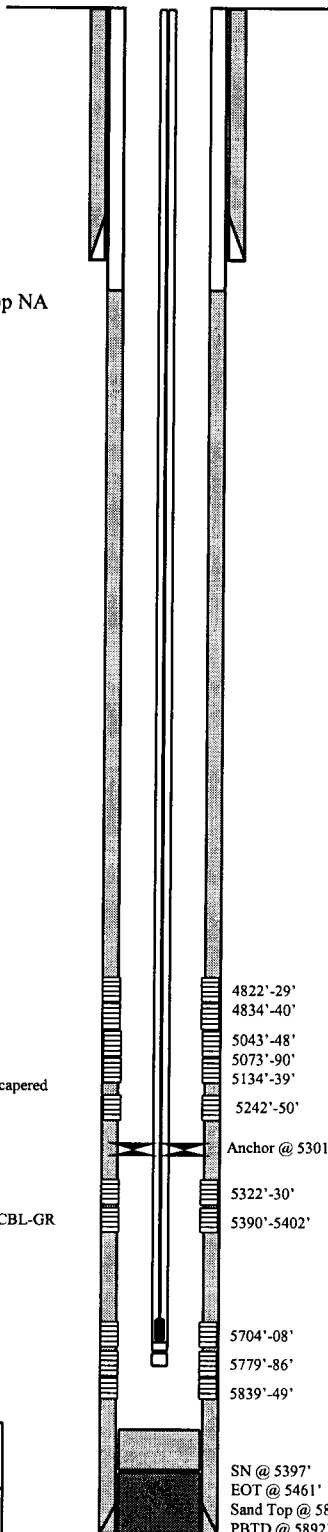
SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
NO. OF JOINTS: 173 jts  
TUBING ANCHOR: 5301' KB  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: 5461' KB  
SN LANDED AT: 5397' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod  
SUCKER RODS: 1 - 8', 1 - 6', 1 - 4', 1 - 2'-3/4" pony rods, 99 - 3/4" scapered rods, 111 - 3/4" plain rods, 4 - 1" scapered  
PUMP SIZE: 2-1/2" x 1-1/2" x 16 RTBC rod pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 6 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram

Cement Top NA



Initial Production: 115  
BOPD, 83 MCFPD, 3 BWPD

FRAC JOB

8/5/97 5704'-5849' **Frac CP sand as follows:**  
110,800# of 20/40 sand in 508 bbls of Boragel. Breakdown @ 3259 psi.  
Treated @ avg rate of 30.5 bpm w/avg press of 6450 psi. ISIP-2328 psi, 5-min 1931 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

8/7/97 5242'-5402' **Frac A sand as follows:**  
116,900# of 20/40 sand in 461 bbls of Hybor gel. Breakdown @ 2637 psi.  
Treated @ avg rate of 34.8 bpm w/avg press of 4500 psi. ISIP-4114. Screen Out.

8/9/97 5043'-5139' **Frac B sands as follows:**  
122,900# of 20/40 sand in 509 bbls of # Boragel. Breakdown @ 4750 psi.  
Treated @ avg rate of 28.0 bpm w/avg press of 6856 psi. ISIP-2093 psi, 5-min 2033 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

8/12/97 4822'-4840' **Frac D sands as follows:**  
104,000# of 20/40 sand in 461 bbls of # Boragel. Breakdown @ 3271 psi.  
Treated @ avg rate of 25.8 bpm w/avg press of 5100 psi. ISIP-2938 psi, 5-min 2676 psi. Flowback on 12/64" ck for 4 hours and died.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
8/5/97	5839'-5849'	4 JSPF	40 holes
8/5/97	5704'-5708'	4 JSPF	16 holes
8/5/97	5779'-5786'	4 JSPF	28 holes
8/7/97	5390'-5402'	4 JSPF	48 holes
8/7/97	5322'-5330'	4 JSPF	32 holes
8/7/97	5242'-5250'	4 JSPF	32 holes
8/9/97	5134'-5139'	4 JSPF	20 holes
8/9/97	5073'-5090'	4 JSPF	68 holes
8/9/97	5043'-5048'	4 JSPF	20 holes
8/12/97	4834'-4840'	4 JSPF	24 holes
8/12/97	4822'-4829'	4 JSPF	28 holes



Inland Resources Inc.

Ashley Federal #10-1

1825 FWL 1785 FNL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31825; Lease #U-74826

# Attachment E-5

## Ashley Federal #12-1

Spud Date: 3-9-98  
Put on Production: 4-25-98  
GL: 5960' KB: 5972'

Initial Production: 94 BOPD,  
213 MCFPD, 6 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55 ST&C  
WEIGHT: 24#  
LENGTH: 7 jts.  
DEPTH LANDED: 284'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs PremiumPlus, est 8 bbls cmt to surface

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55 8rd  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5972')  
DEPTH LANDED: 5984' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 410 sxs Hibond w/360 sxs Thixotropic

*165T = 80% to 2410'*

#### TUBING

SIZE/GRADE/WT.: 2-7/8" - 8rd - 6.5# - M-50  
NO. OF JOINTS: 192 jts  
TUBING ANCHOR: 5669'  
SEATING NIPPLE: N/A  
TOTAL STRING LENGTH: 5892'  
SN LANDED AT: 5794'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 4 - 1-1/2" weight, 4 - 3/4" scraped, 127 - 3/4" plain, 96 - 3/4" scraped, 1 - 2' x 3/4" pony  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 10-1/2 spm  
LOGS: DIGL/SP/GR/CAL (5995'-300')  
DSN/SDL/GR (5961'-3000')

#### FRAC JOB

**4-16-98 5702'-5880'** Frac CP sand as follows:  
141,300# 20/40 sand in 659 bbls  
Delta. Breakdown @ 2511 psi.  
Treated w/avg press of 2480 psi,  
w/avg rate of 35.3 BPM. ISIP-2820  
psi, 5 min 2218. Flowback on 12/64"  
ck for 4-1/2 hrs & died.

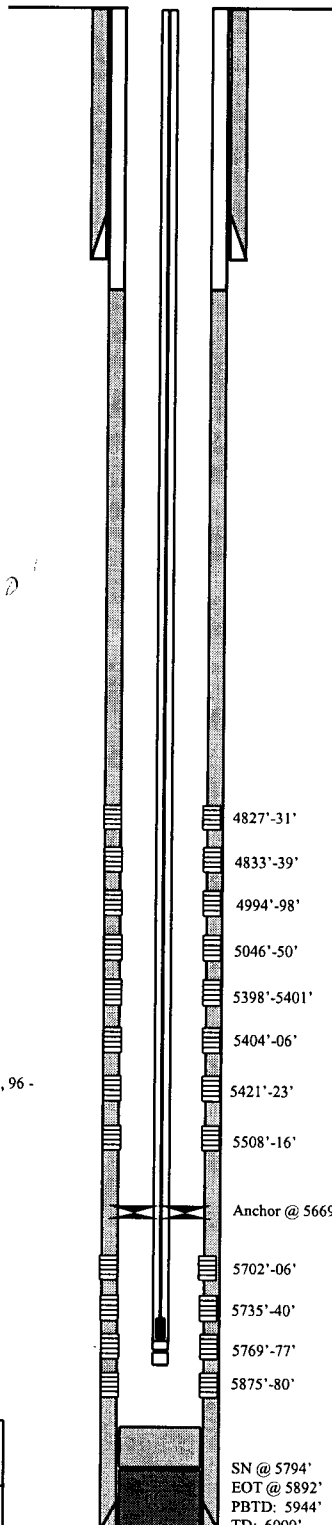
**4-18-98 5398'-5516'** Frac A/LDC sand as follows:  
127,300# 20/40 sand in 618 bbls  
Delta. Breakdown @ 2918 psi. Treated  
w/avg press of 1730 psi, w/ avg rate of  
35.1 BPM. ISIP-2654 psi, 5 min 1798  
psi. Flowback on 12/64" ck for 4 hrs  
& died.

**4-21-98 4994'-5050'** Frac B/C sand as follows:  
111,300# 20/40 sand in 539 bbls  
Delta. Breakdown @ 3364 psi.  
Treated w/avg press of 1700 psi, w/  
avg rate of 26.1 BPM. ISIP-2320 psi,  
5 min 1876 psi. Flowback on 12/64"  
ck for 4 hrs & died.

**4-23-98 4827'-4839'** Frac D sand as follows:  
114,300# 20/40 sand in 604 bbls  
Delta. Breakdown @ 2723 psi.  
Treated w/avg press of 2000 psi w/avg  
rate of 28 BPM. ISIP-2508 psi, 5 min  
2211 psi. Flowback on 12/64" ck for  
4 hrs & died.

#### PERFORATION RECORD

4-15-98	5702'-5706'	4 JSPF	16 holes
4-15-98	5735'-5740'	4 JSPF	20 holes
4-15-98	5769'-5777'	4 JSPF	32 holes
4-15-98	5875'-5880'	4 JSPF	20 holes
4-17-98	5398'-5401'	4 JSPF	12 holes
4-17-98	5404'-5406'	4 JSPF	8 holes
4-17-98	5421'-5423'	4 JSPF	8 holes
4-17-98	5508'-5516'	4 JSPF	32 holes
4-19-98	4994'-4998'	4 JSPF	16 holes
4-19-98	5046'-5050'	4 JSPF	16 holes
4-22-98	4827'-4831'	4 JSPF	16 holes
4-22-98	4833'-4839'	4 JSPF	24 holes



**Inland Resources Inc.**

**Ashley Federal #12-1**

648' FWL 2068' FSL

NWSW Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-32000; Lease #U-74826

# Attachment E-6

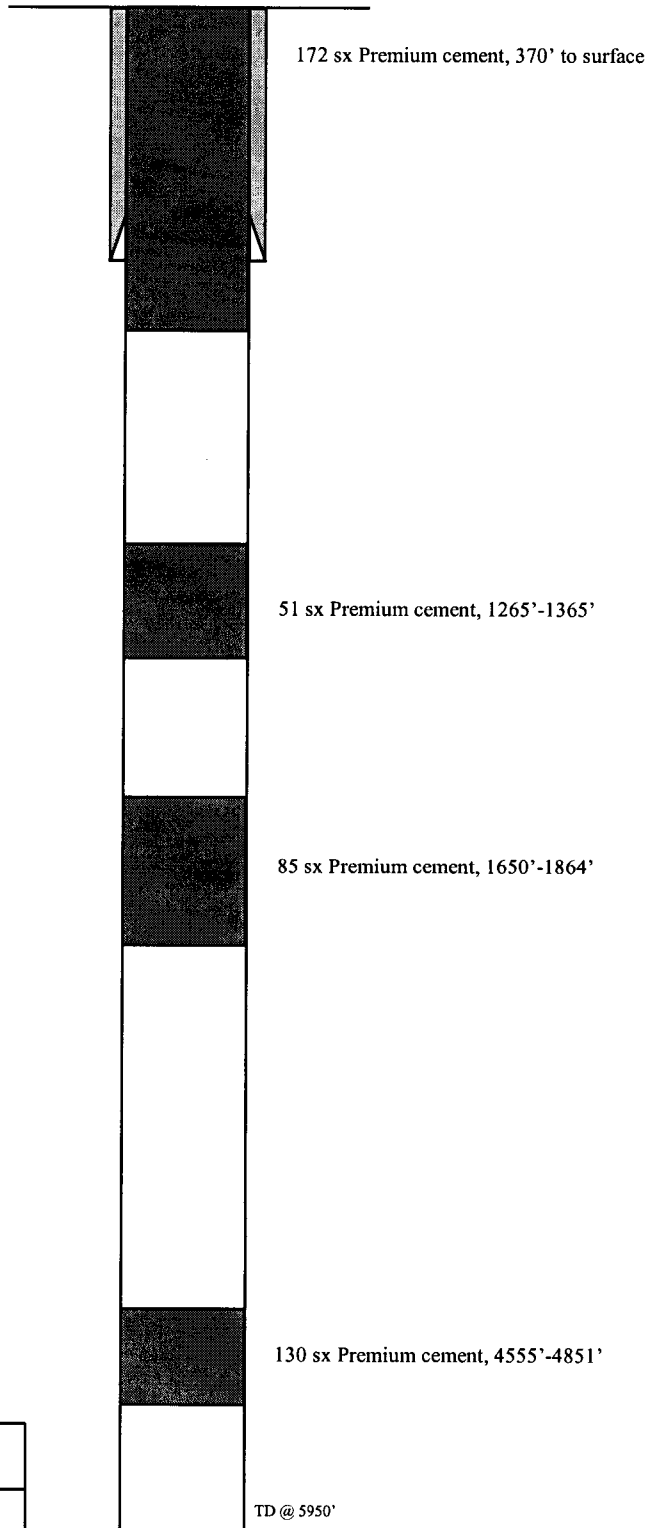
## Ashley Unit #13-1

Spud Date: 3-16-98  
P&A'd: 4-4-98  
GL: 5962' KB: 5974'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (289')  
DEPTH LANDED: 289' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

### P&A Wellbore Diagram



LOGS: DIGL/SP/GR/CAL (5946'-301')  
DSN/SDL/GR (5918'-3000')



**Inland Resources Inc.**

**Ashley Unit #13-1**

1825 FWL 1785 FNL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31825; Lease #U-74826

# Attachment E-r

## Ashley Unit #14-1-9-15

Spud Date: 9/23/98  
Put on Production: 10/22/98  
GL: 5976' KB: 5986'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (290')  
DEPTH LANDED: 300'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Class "G" cmt, & 100 sxs Class "G" neat, est 12 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5972')  
SET AT: 5981'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 260 sxs Premium modified mixed & 310 sxs class G  
CEMENT TOP AT: 630' per cement bond log (Schlumberger)

780% to 3040

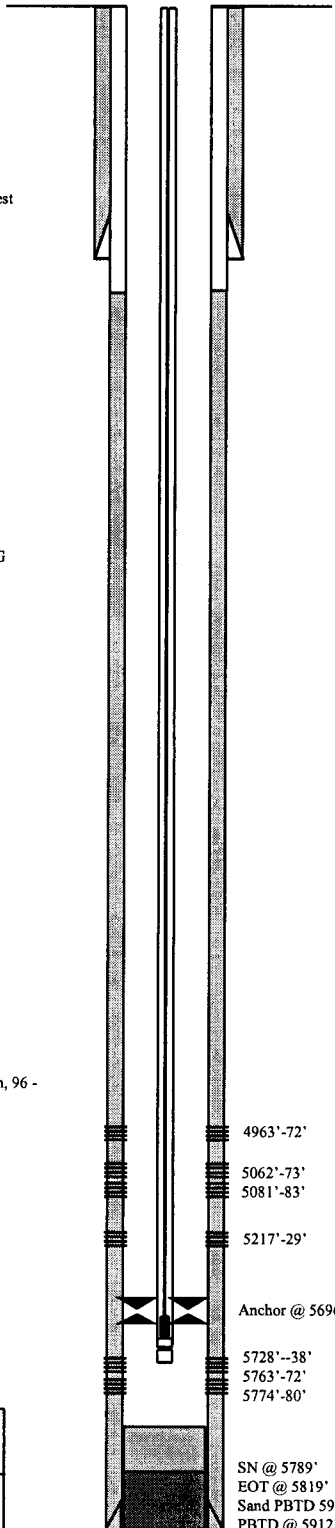
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 189 jts  
TUBING ANCHOR: 5696'  
SEATING NIPPLE: 2-7/8"  
TOTAL STRING LENGTH: 5819'  
SN LANDED AT: 5789'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 127 - 3/4" plain, 96 - 3/4" scraped, 1 - 4' x 3/4" pony.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC Pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 6 SPM  
LOGS: DIGL/SP/GR/CAL  
SDL/DSN/GR

### Wellbore Diagram



Initial Production: 33 BOPD;  
392 MCFD; 11 BWPD

### FRAC JOB

10/14/98 5728'-5780'

#### Frac CP-1 sand as follows:

112,000# 20/40 sand in 541 bbls Viking I-25 fluid. Perfs broke back @ 3710 psi. Treated @ avg press of 1710 psi w/avg rate of 29 BPM. ISIP: 2800 psi, 5-min 2570 psi. Flowback on 12/64 choke for 4 hours and died.

10/16/98 5217'-5229'

#### Frac A-1 sand as follows:

Well screened out @ 2604 gal into flush, getting 98,594# of 20/40 sand in formation and leaving 17,298# sand in casing, used 503 bbls of Viking I-25 fluid. Perfs broke down @ 2170 psi. Treated @ avg press of 2750 psi w/avg rate of 28.7 bpm. ISIP 3100 psi, 5-min 2400 psi. Flowback on 12/64" choke for 2 hours and died.

10/19/98 4963'-5083'

#### Frac B-1 sand as follows:

116,853# 20/40 sand in 568 bbls Viking I-25 fluid. Perfs broke back @ 2600 psi. Treated @ avg press of 1850 psi w/avg rate of 32 BPM. ISIP: 2500 psi, 5-min 2251 psi. Flowback on 12/64 choke for 2 hours and died.

### PERFORATION RECORD

Date	Interval	Tool	Holes
10/13/98	5728'-5738'	4 JSPF	40 holes
10/13/98	5763'-5772'	4 JSPF	36 holes
10/13/98	5774'-5780'	4 JSPF	24 holes
10/15/98	5217'-5229'	4 JSPF	44 holes
10/17/98	4963'-4972'	4 JSPF	36 holes
10/17/98	5062'-5073'	4 JSPF	40 holes
10/17/98	5081'-5083'	4 JSPF	8 holes



**Inland Resources Inc.**

**Ashley Unit #14-1-9-15**

1783 FWL 833 FSL

SESW Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-32002; Lease #U-74826

SN @ 5789'  
EOT @ 5819'  
Sand PBTID 5912'  
PBTID @ 5912'  
TD @ 6001'

# Attachment E-8

## Ashley Unit #15-1-9-15

Spud Date: 9/1/98  
Put on Production: 9/30/98  
GL: 5951' KB: 5961'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts. (322')  
DEPTH LANDED: 332'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Class "G" cmt, est 6 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5927')  
SET AT: 5936'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Premium modified mixed & 360 sxs class G  
CEMENT TOP AT: 648' per cement bond log (Schlumberger)

*NOT > 80% TO 2880*

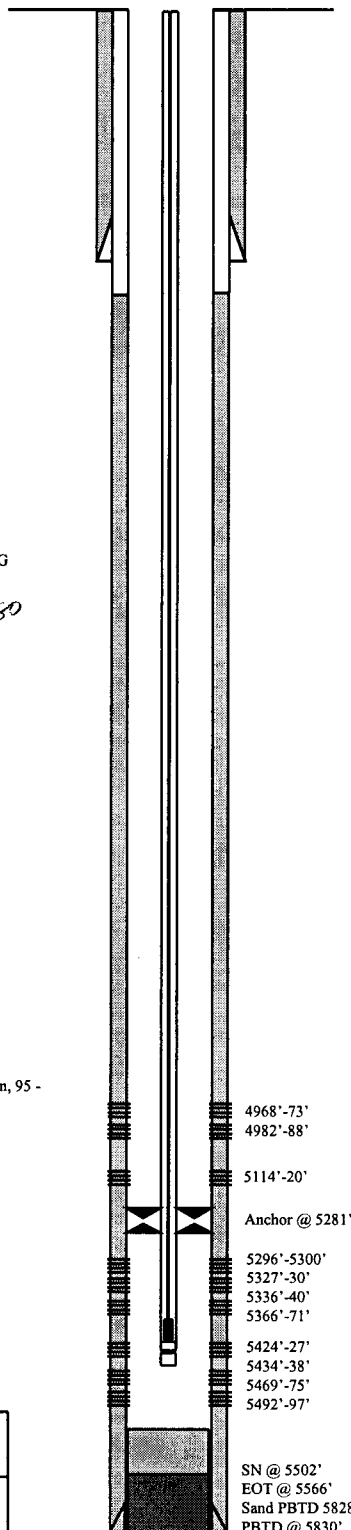
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 170 jts  
TUBING ANCHOR: 5281'  
SEATING NIPPLE: 2-7/8"  
TOTAL STRING LENGTH: 5566'  
SN LANDED AT: 5502'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 116 - 3/4" plain, 95 - 3/4" scraped, 1 - 8', 1 - 6', 1 - 4', 1 - 2' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC Pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 9 SPM  
LOGS: DIGL/SP/GR/CAL  
SDL/DSN/GR

### Wellbore Diagram



Initial Production: 71 BOPD;  
128 MCFD; 1 BWPD

### FRAC JOB

9/17/98 5296'-5497' **Frac A-3 & LODC sands as follows:**  
142,060# 20/40 sand in 671 bbls Viking I-25 fluid. Perfs broke back @ 3580 psi. Treated @ avg press of 2300 psi w/avg rate of 42.2 BPM. ISIP: 2700 psi, 5-min 2233 psi. Flowback on 12/64 choke for 4 hours and died.

9/19/98 5114'-5120' **Frac B-2 sand as follows:**  
41,400# 20/40 sand in 231 bbls Viking I-25 fluid. Perfs broke back @ 2450 psi. Pressure increased to 2850 psi before dropping back to 2250 psi when sand hit perfs. With sand on perfs pressure increased rapidly to max pressure. Screened out w/6.2# sand on pers. Est 14,469# sand in formation, 26,931# sand left in casing. Flowback on 12/64 choke for 2-1/2 hours and died.

9/22/98 4968'-4988' **Frac C-SD sand as follows:**  
105,000# 20/40 sand in 525 bbls Viking I-25 fluid. Perfs broke back @ 3550 psi. Treated @ avg press of 1900 psi w/avg rate of 26 BPM. ISIP: 2470 psi, 5-min 1770 psi. Flowback on 12/64 choke for 4 hours and died.

### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
9/17/98	5296'-5300'	2 JSPF	8 holes
9/17/98	5327'-5330'	2 JSPF	6 holes
9/17/98	5336'-5340'	2 JSPF	8 holes
9/17/98	5366'-5371'	2 JSPF	10 holes
9/17/98	5424'-5427'	2 JSPF	6 holes
9/17/98	5434'-5438'	2 JSPF	8 holes
9/17/98	5469'-5475'	2 JSPF	12 holes
9/17/98	5492'-5497'	2 JSPF	10 holes
9/18/98	5114'-5120'	4 JSPF	24 holes
9/22/98	4968'-4973'	4 JSPF	20 holes
9/22/98	4982'-4988'	4 JSPF	24 holes



**Inland Resources Inc.**

**Ashley Unit #15-1-9-15**

1783 FEL 797 FSL

SWSE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-32003; Lease #U-74826

SN @ 5502'  
EOT @ 5566'  
Sand PBTD 5828'  
PBTD @ 5830'  
TD @ 5950'

**UNICHEM**

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066Office (801) 722-5068  
Fax (801) 722-5727

Attachment F

**WATER ANALYSIS REPORT**

Company INLAND Address \_\_\_\_\_ Date 01-14-98  
 Source Johnson Water  
FRESH WATER Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mg/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u> ÷ 30 <u>0</u> CO <sub>3</sub>	
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u> ÷ 61 <u>5</u> HCO <sub>3</sub>	
7. Hydroxyl (OH)		OH <u>0</u> ÷ 17 <u>0</u> OH	
8. Chlorides (Cl)		Cl <u>35</u> ÷ 35.5 <u>1</u> Cl	
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u> ÷ 48 <u>2</u> SO <sub>4</sub>	
10. Calcium (Ca)		Ca <u>44</u> ÷ 20 <u>2</u> Ca	
11. Magnesium (Mg)		MG <u>22</u> ÷ 12.2 <u>2</u> Mg	
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**

	Compound	Eqiv. Wt.	X	Mg/l	=	Mg/l
<div> <div></div> <div>Ca</div> <div></div> <div>Mg</div> <div></div> <div>Na</div> </div>	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
	CaSO <sub>4</sub>	68.07				
	CaCl <sub>2</sub>	55.50				
	Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
<div> <div></div> <div>HCO<sub>3</sub></div> <div></div> <div>SO<sub>4</sub></div> <div></div> <div>Cl</div> </div>	MgSO <sub>4</sub>	60.19				
	MgCl <sub>2</sub>	47.62				
	NaHCO <sub>3</sub>	64.00	<u>1</u>			<u>84</u>
	Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>			<u>142</u>
<div> <div></div> <div>Ca</div> <div></div> <div>Mg</div> <div></div> <div>Na</div> </div>	NaCl	58.46	<u>1</u>			<u>59</u>

**Saturation Values****Distilled Water 20°C**CaCO<sub>3</sub>

13 Mg/l

CaSO<sub>4</sub> · 2H<sub>2</sub>O

2,090 Mg/l

MgCO<sub>3</sub>

103 Mg/l

REMARKS \_\_\_\_\_

**UNICHEM**

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F-1

Office (435) 722-5066  
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND PRODUCTION

Address \_\_\_\_\_

Date 7-08-99Source ASHLEY 11-1 TREATERDate Sampled 7-07-99

Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.4</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.019</u>		
4. Dissolved Solids		<u>23,743</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>730</u>	÷ 61 <u>12</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>13,800</u>	÷ 35.5 <u>389</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>40</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>2</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>110</u>	
13. Total Iron (Fe)		<u>0.4</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**

2	Ca	←	HCO <sub>3</sub>	12
0	Mg	→	SO <sub>4</sub>	0
399	Na	→	Cl	389

Saturation Values

Distilled Water 20°C

CaCO<sub>3</sub>

13 Mg/l

CaSO<sub>4</sub> · 2H<sub>2</sub>O

2,090 Mg/l

MgCO<sub>3</sub>

103 Mg/l

Compound	Eqv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>10</u>			<u>840</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	<u>389</u>			<u>22,741</u>

REMARKS \_\_\_\_\_

Received Time-Jul.16.- 1:35PM



Attachment F-2

## AQUAMIX SCALING PREDICTIONS

7-8-99

COMPANY: INLAND PRODUCTION CO  
 LOCATION:  
 SYSTEM:

	JOHNSON WATER	ASHLEY 11-1 TREAT
WATER DESCRIPTION:		
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	1219
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	13800
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	100
MAGNESIUM AS PPM CaCO3	90	8
SODIUM AS PPM Na	92	9177
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	23743
TEMP (DEG-F)	150	100
SYSTEM pH	8.3	9.4

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND ASHLEY 11-1 TREAT

CONDITIONS: pH=9. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

DEG-F % water	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	2.33	38	0	0	0
90	2.25	37	0	0	0
80	2.17	37	0	0	0
70	2.05	37	0	0	0
60	1.92	36	0	0	0
50	1.77	36	0	0	0
40	1.67	35	0	0	0
30	1.57	34	0	0	0
20	1.47	34	0	0	0
10	1.37	33	0	0	0
0	1.27	32	0	0	0

**Attachment "G"**

**Ashley Federal #11-1-9-15  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5709	5781	5745	2400	0.851	2373
5478	5513	5496	2150	0.824	2131
5241	5253	5247	3200	1.043	3185
5040	5131	5086	2800	0.984	2764
				<b>Minimum</b>	<u>2131</u>

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (Frac\ Grad - (0.433 * 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$Frac\ Gradient = (ISIP + (0.433 * Avg.\ Depth)) / Avg.\ Depth$



Attachment G-1

## DAILY COMPLETION REPORT

**WELL NAME** Ashley Federal 11-1-9-15 **Report Date** 10/1/98 **Completion Day** 3  
**Present Operation** Perf LDC sds. **Rig** Colorado Well #52

## WELL STATUS

**Surf Csg:** 8-5/8 @ 306' **Liner** \_\_\_\_\_ @ \_\_\_\_\_ **Prod Csg** 5-1/2 @ 5966 **Csg PBDT** 5946  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT @** \_\_\_\_\_ **BP/Sand PBDT:** \_\_\_\_\_

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	5709-13'	4/16			
CP	5771-81'	4/40			

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 9/30/98 **SITP:** 0 **SICP:** 0  
IFL @ 5700'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU BJ Services & frac CP sds w/95,644# 20/40 sd in 530 bbls Viking I-25 fluid. Perfs broke dn @ 4000 psi. Treated @ ave press of 1710 psi w/ave rate of 29 BPM. ISIP: 2400 psi, 5 min: 2111 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 160 BTF (est 30% of load). SIFN w/est 370 BWTR.

## FLUID RECOVERY (BBLs)

<b>Starting fluid load to be recovered</b>	<u>530</u>	<b>Starting oil rec to date</b>	<u>0</u>
<b>Fluid lost/recovered today</b>	<u>160</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>370</u>	<b>Cum oil recovered</b>	<u>0</u>
<b>IFL</b> <u>5700</u> <b>FFL</b> <u>5700</u> <b>FTP</b> _____		<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> _____	<b>Final oil cut</b> _____

## STIMULATION DETAIL

## COSTS

**Base Fluid used:** Viking I-25 **Job Type:** Sand Frac  
**Company:** BJ Services  
**Procedure:** \_\_\_\_\_  
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
4632 gal w/8-10 ppg of 20/40 sd  
Flush w/5628 gal of 10# Liner gel

CWS Rig	934
BOP	60
Tanks	30
Wtr	750
HO Trk	730
Frac	17,838
Flowback - super	180
IPC Supervision	200

**Max TP** 4000 **Max Rate** 30 **Total fluid pmpd:** 530 bbls  
**Avg TP** 1710 **Avg Rate** 29 **Total Prop pmpd:** 95,644#  
**ISIP** 2400 **5 min** 2111 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$20,722  
**TOTAL WELL COST:** \$179,865



attachment G-1 cont.

## DAILY COMPLETION REPORT

WELL NAME Ashley Federal 11-1-9-15 Report Date 10/2/98 Completion Day 4  
Present Operation Frac LDC sds. Rig Colorado Well #52

## WELL STATUS

Surf Csg: 8-5/8 @ 306' Liner @ 5966 Prod Csg 5-1/2 @ 5966 Csg PBD 5946  
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ 5580 BP/Sand PBD: 5602

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5478-5513'	2/70			
CP	5709-13'	4/16			
CP	5771-81'	4/40			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/1/98 SITP: SICIP: 0  
TIH w/5-1/2" RBP & tbg. Set plug @ 5602'. Press test plug to 3000 psi. Swab FL dn to 4900'. Rec 105 BTF. TOH w/tbg. RU Schlumberger and perf LDC sds @ 5478-5513' w/2 jsf. TIH w/tbg to 5580'. IFL @ 4900'. Made 3 swab runs, rec 16 BTF. FFL @ 5500'. SIFN w/est 249 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>370</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>121</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>249</u>	Cum oil recovered	<u>0</u>
IFL <u>4900</u> FFL <u>5500</u> FTP		Choke	
		Final Fluid Rate	
		Final oil cut	

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type:  
Company:  
Procedure:

CWS Rig	1,788
BOP	60
Tanks	30
RBP	600
Perfs	2,225
IPC Supervision	200

Max TP Max Rate Total fluid pmpd:  
Avg TP Avg Rate Total Prop pmpd:  
ISIP 5 min 10 min 15 min

Completion Supervisor: Gary Dietz

DAILY COST: \$4,903  
TOTAL WELL COST: \$184,768



Attachment G-1 cont.

## DAILY COMPLETION REPORT

WELL NAME Ashley Federal 11-1-9-15 Report Date 10/3/98 Completion Day 5  
Present Operation Perf A sds. Rig Colorado Well #52

## WELL STATUS

Surf Csg: 8-5/8 @ 306' Liner @ 5-1/2 Prod Csg 5-1/2 @ 5966 Csg PBTD 5946  
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ BP/Sand PBTD: 5602

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5478-5513'	2/70			
CP	5709-13'	4/16			
CP	5771-81'	4/40			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/2/98 SITP: 0 SICP: 0  
IFL @ 5500'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU BJ Services & frac LDC sds w/105,753# 20/40 sd in 564 bbls Viking I-25 fluid. Perfs broke dn @ 3537 psi. Treated @ ave press of 1775 psi w/ave rate of 29.9 BPM. ISIP: 2150 psi, 5 min: 2069 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 185 BTF (est 33% of load). SIFN w/est 628 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>249</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>379</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>628</u>	Cum oil recovered	<u>0</u>
IFL <u>5500</u> FFL <u>5500</u> FTP <u></u>		Choke <u>12/64</u> Final Fluid Rate <u></u>	Final oil cut <u></u>

## STIMULATION DETAIL

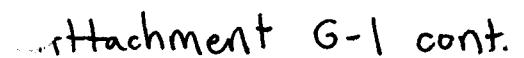
## COSTS

Base Fluid used: Viking I-25 Job Type: Sand Frac  
Company: BJ Services  
Procedure:   
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
5000 gal w/8-10 ppg of 20/40 sd  
1270 gal w/10 ppg of 20/40 sd  
Flush w/5418 gal of 10# Linear gel

CWS Rig	806
BOP	60
Tanks	30
Wtr	700
Frac	18,999
Flowback - super	180
IPC Supervision	200
Wtr disp	350

Max TP	<u>3537</u>	Max Rate	<u>29.9</u>	Total fluid pmpd:	<u>564 bbls</u>
Avg TP	<u>1775</u>	Avg Rate	<u>29.9</u>	Total Prop pmpd:	<u>105,753#</u>
ISIP	<u>2150</u>	5 min	<u>2069</u>	10 min	<u></u>
Completion Supervisor:	<u>Gary Dietz</u>				

DAILY COST:	<u>\$21,325</u>
TOTAL WELL COST:	<u>\$206,093</u>



<b>WELL NAME</b>	<b>Ashley Federal 11-1-9-15</b>	<b>Report Date</b>	<b>10/4/98</b>	<b>Completion Day</b>	<b>6</b>
<b>Present Operation</b>	<b>Frac A sds.</b>	<b>Rig</b>	<b>Colorado Well #52</b>		

Surf Csg:	8-5/8	@	306'	Liner	@	Prod Csg	5-1/2	@	5966	Csg PBDT	5946
Tbg:	Size	2-7/8	Wt	6.5#	Grd	J-55	PK/EOT @	1860	BP/Sand PBDT:	5323	

<b>Zone</b>	<b>Perfs</b>	<b>SPF/#shots</b>	<b>Zone</b>	<b>Perfs</b>	<b>SPF/#shots</b>
A	5241-53'	4/48			
LDC	5478-5513'	2/70			
CP	5709-13'	4/16			
CP	5771-81'	4/40			

<b>Date Work Performed:</b>	10/3/98	<b>SITP:</b>	<b>SICP:</b>	0
TIH w/RH & tbg. Tag sd @ 5450'. CO sd to RBP @ 5602'. Release plug. Pull up & reset @ 5323'. Press test plug to 3000 psi. Swab FL dn to 4700'. Rec 101 BTF. TOH w/tbg. RU Schlumberger & <b>perf A sds @ 5241-53' w/4 js pf</b> . TIH w/tbg to 1860'. SIFN w/est 527 BWTR.				

Starting fluid load to be recovered	628	Starting oil rec to date	0
Fluid lost/recovered today	101	Oil lost/recovered today	0
Ending fluid to be recovered	527	Cum oil recovered	0
IFL      Sfc      FFL    4700      FTP		Choke                      Final Fluid Rate                      Final oil cut	

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CWS Rig	1,628
BOP	60
Tanks	30
RBP (zone chg)	250
Perfs	1,092
IPC Supervision	200
Circ head	35

Max TP	_____	Max Rate	_____	Total fluid pmpd:	_____
Avg TP	_____	Avg Rate	_____	Total Prop pmpd:	_____
ISIP	_____	5 min	_____	10 min	_____
				15 min	_____
<b>Completion Supervisor:</b>		Gary Dietz			

DAILY COST:	\$3,295
TOTAL WELL COST:	\$209,388



Attachment G-1 cont

## DAILY COMPLETION REPORT

WELL NAME Ashley Federal 11-1-9-15 Report Date 10/6/98 Completion Day 7  
Present Operation Perf B sds. Rig Colorado Well #52

## WELL STATUS

Surf Csg: 8-5/8 @ 306' Liner @ Prod Csg 5-1/2 @ 5966 Csg PBD: 5946  
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ BP/Sand PBD: 5323

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A	5241-53'	4/48			
LDC	5478-5513'	2/70			
CP	5709-13'	4/16			
CP	5771-81'	4/40			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/5/98 SITP: 100 SICP: 100

Bleed gas off well. Con't TIH w/tbg to 5273'. IFL @ 600'. Made 8 swab runs, rec 70 BTF w/tr oil. FFL 3 runs @ 3600'. TOH w/tbg. NU isolation tool. RU BJ Services & frac A sds w/102,644# 20/40 sd in 532 bbls Viking I-25 fluid. Perfs broke dn @ 3688 psi. Treated @ ave press of 2500 psi w/ave rate of 28.6 BPM. ISIP: 3200 psi, 5 min: 2894 psi. Flowback on 12/64 choke for 3 hrs & died. Rec 90 BTF (est 17% of load). SIFN w/est 899 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>527</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>372</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>899</u>	Cum oil recovered	<u>0</u>
IFL <u>600</u> FFL <u>3600</u> FTP <u></u>		Choke <u>12/64</u> Final Fluid Rate <u></u>	Final oil cut <u>Tr.</u>

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand Frac  
Company: BJ Services  
Procedure:   
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
5178 gal w/8-10 ppg of 20/40 sd  
Flush w/5166 gal of 10# linear gel

## COSTS

CWS Rig	1,447
BOP	60
Tanks	30
Wtr	700
Frac	17,717
Wtr disp	350
Flowback - super	120
IPC Supervision	200

Max TP	<u>3688</u>	Max Rate	<u>29.8</u>	Total fluid pmpd:	<u>532 bbls</u>
Avg TP	<u>2500</u>	Avg Rate	<u>28.6</u>	Total Prop pmpd:	<u>102,644#</u>
ISIP	<u>3200</u>	5 min	<u>2894</u>	10 min	<u></u>
Completion Supervisor:	<u>Gary Dietz</u>	15 min	<u></u>		

DAILY COST: \$20,624  
TOTAL WELL COST: \$230,012



Attachment G-1 cont.

## DAILY COMPLETION REPORT

WELL NAME Ashley Federal 11-1-9-15 Report Date 10/7/98 Completion Day 8  
Present Operation Frac B sds. Rig Colorado Well #52

## WELL STATUS

Surf Csg: 8-5/8 @ 306' Liner @ 5966 Prod Csg 5-1/2 @ 5966 Csg PBDT 5946  
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkt/EOT @ 5117 BP/Sand PBDT: 5198

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B	5040-46'	4/24	LDC	5478-5513'	2/70
B	5084-88'	4/16	CP	5709-13'	4/16
B	5121-31'	4/40	CP	5771-81'	4/40
A	5241-53'	4/48			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/6/98 SITP: SICP: 0  
TIH w/RH & tbg. Tag sd @ 5168'. CO sd to RBP @ 5323'. Release plug. Pull up & reset @ 5198'. Press test plug to 3000 psi. Swab FL dn to 4500'. Rec 97 BTF. TOH w/tbg & RH. RU Schlumberger & perf B sds @ 5040-46', 5084-88' & 5121-31' w/4 jsf. TIH w/tbg to 5117'. IFL @ 3500'. Made 5 swab runs, rec 24 BTF w/tr oil. FFL 2 runs @ 4400'. SIFN w/est 778 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>899</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>121</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>778</u>	Cum oil recovered	<u>0</u>
IFL <u>3500</u> FFL <u>4400</u> FTP		Choke	
		Final Fluid Rate	
		Final oil cut	<u>Tr.</u>

## STIMULATION DETAIL

Base Fluid used: Job Type:  
Company:  
Procedure:

## COSTS

CWS Rig	1,909
BOP	60
Tanks	30
RBP (zone chg)	250
Perfs	1,690
IPC Supervision	200

Max TP Max Rate Total fluid pmpd:  
Avg TP Avg Rate Total Prop pmpd:  
ISIP 5 min 10 min 15 min  
Completion Supervisor: Gary Dietz

DAILY COST: \$4,139  
TOTAL WELL COST: \$234,151





Attachment G-1 cont

## DAILY COMPLETION REPORT

**WELL NAME** Ashley Federal 11-1-9-15 **Report Date** 10/8/98 **Completion Day** 9  
**Present Operation** Pull plug. CO PBTD. Swab well. **Rig** Colorado Well #52

## WELL STATUS

**Surf Csg:** 8-5/8 @ 306' **Liner** @ **Prod Csg** 5-1/2 @ 5966 **Csg PBTD** 5946  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT @** **BP/Sand PBTD:** 5198

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B	5040-46'	4/24	LDC	5478-5513'	2/70
B	5084-88'	4/16	CP	5709-13'	4/16
B	5121-31'	4/40	CP	5771-81'	4/40
A	5241-53'	4/48			

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 10/7/98 **SITP:** 0 **SICP:** 0  
IFL @ 4400'. Made 2 swab runs, rec 7 BTF w/2% oil. FFL @ 4400'. TOH w/tbg. NU isolation tool. RU BJ Services & frac B sds w/108,458# 20/40 sd in 545 bbls Viking I-25 fluid. Perfs broke dn @ 3088 psi. Treated @ ave press of 2600 psi w/ave rate of 30.5 BPM. ISIP: 2800 psi, 5 min: 2588 psi. Flowback on 12/64 choke for 2-1/2 hrs & died. Rec 80 BTF (est 15% of load). SIFN w/est 1236 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	778	Starting oil rec to date	0
Fluid lost/recovered today	458	Oil lost/recovered today	0
Ending fluid to be recovered	1236	Cum oil recovered	0
IFL 4400 FFL 4500 FTP		Choke 12/64 Final Fluid Rate	Final oil cut 2%

## STIMULATION DETAIL

## COSTS

**Base Fluid used:** Viking I-25 **Job Type:** Sand Frac  
**Company:** BJ Services  
**Procedure:**  
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
5000 gal w/8-10 ppg of 20/40 sd  
934 gal w/10 ppg of 20/40 sd  
Flush w/4956 gal of 10# Linear gel

CWS Rig	807
BOP	60
Tanks	30
Wtr	650
Frac	18,659
Flowback - super	100
IPC Supervision	200

Max TP	3300	Max Rate	31.4	Total fluid pmpd:	545 bbls
Avg TP	2600	Avg Rate	30.5	Total Prop pmpd:	108,458#
ISIP	2800	5 min	2588	10 min	15 min
Completion Supervisor:	Gary Dietz				

DAILY COST:	\$20,506
TOTAL WELL COST:	\$254,657

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1.     **Plug #1**            Set 222' plug from 5609'-5831' with 36 sxs Class "G" cement.
2.     **Plug #2**            Set 185' plug from 5378'-5563' with 32 sxs Class "G" cement.
3.     **Plug #3**            Set 363' plug from 4940'-5303' with 52 sxs Class "G" cement.
4.     **Plug #4**            Set 200' Plug from 2000'-2200' with 25 sxs Class "G" cement.
5.     **Plug #5**            Set 100' plug from 252'-352' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6.     **Plug #6**            Set 50' plug from surface with 10 sxs Class "G" cement.
7.                        Pump 50 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 300' to surface.

**The approximate cost to plug and abandon this well is \$18,000.**

Att'nment H-1

## Ashley Federal #11-1

Spud Date: 9/16/98  
Put on Production: 10/12/98  
GL: 5940' KB: 5950'

Initial Production: 99 BOPD,  
246 MCFPD, 4 BWPD

### SURFACE CASING

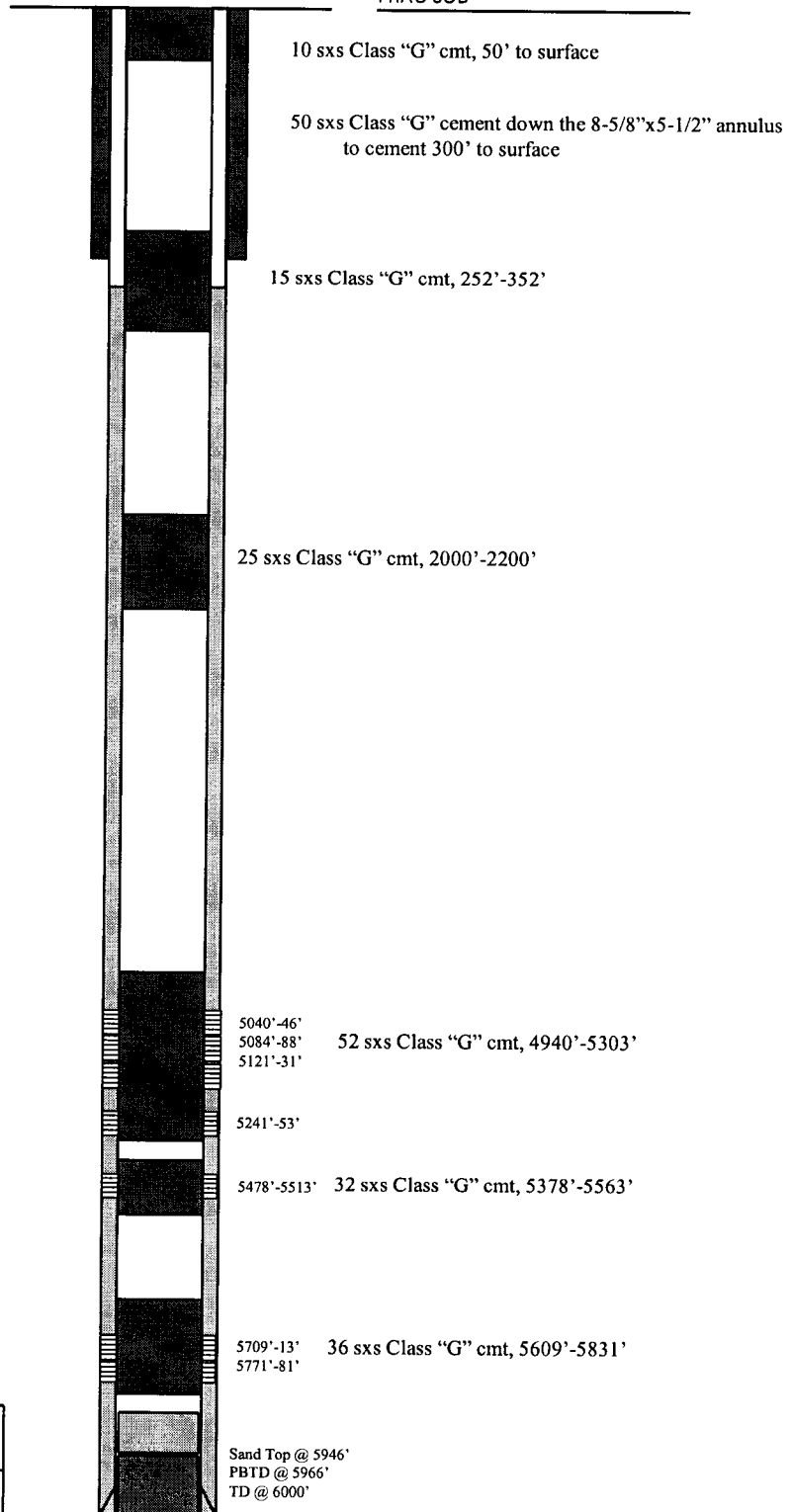
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 293'  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 2 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5956')  
DEPTH LANDED: 5965'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 270 sxs Premium Lite mixed & 320 sxs Class G  
CEMENT TOP AT: 318'

### Proposed P&A Wellbore Diagram

### FRAC JOB



**Inland Resources Inc.**

**Ashley Federal #11-1**

1981 FSL 1978 FWL

NSW Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31926; Lease #U-74826

7/7/99



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

December 21, 1999

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Ashley Unit Well: Ashley Federal 11-1-9-15, Section 1, Township 9 South, Range 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

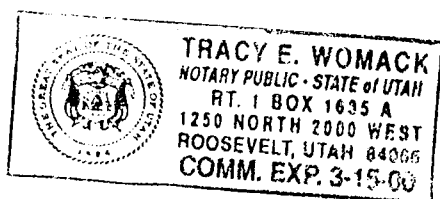
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 10 day of August, 19 99, and that the last publication of such notice was in the issue of such newspaper dated the 10 day of August, 19 99.

Publisher

Subscribed and sworn to before me this  
23 day of Aug, 19 99

Tracy E. Womack

Notary Public



## NOTICE OF AGENCY ACTION

### NOTICE OF AGENCY ACTION

CAUSED NO. UIC-242  
IN THE MATTER OF  
THE APPLICATION OF  
INLAND PRODUCTION  
COMPANY FOR AD-  
MINISTRATIVE AP-  
PROVAL OF THE  
ASHLEY FEDERAL 11-  
1-9-15 & 15-1-9-15  
WELLS LOCATED IN  
SECTIONS 1 & 15,  
TOWNSHIP 9 SOUTH,  
RANGE 15 EAST, S.L.M.  
DUCHESNE COUNTY,  
UTAH, AS CLASS II IN-  
JECTION WELLS

THE STATE OF  
UTAH TO ALL PER-  
SONS INTERESTED IN  
THE ABOVE ENTITLED  
MATTER

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Ashley Federal 11-1-9-15 & 15-1-9-15 wells, located in Sections 1 & 15, Township 9 South, Range 15 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is

113 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. FAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S  
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	08/10/99

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8200A0R01
SCHEDULE	
START 08/10/99 END 08/10/99	
CUST. REF. NO.	
UIC-242	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
75 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	123.00
TOTAL COST	
123.00	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWS CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY, PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 08/10/99 / END 08/10/99

SIGNATURE *James H. Hony*

DATE 08/10/99



STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
John H. Hony  
Associate Director  
8200A0R01

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"**  
**PLEASE PAY FROM BILLING STATEMENT.**

2027 REC 6131 NCLANRNR 2009

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-242

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE ASHLEY FEDERAL 11-1-9-15 AND 15-1-9-15 WELLS LOCATED IN SECTIONS 1 AND 15, TOWNSHIP 9, SOUTH, RANGE 15, EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the Division) is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Ashley Federal 11-1-9-15 and 15-1-9-15 wells located in Sections 1 and 15, Township 9 South, Range 15 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. Code 2649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or the proceeding must file a written protest or notice of intervention with the Division within 30 days of the date of publication of this notice. A protest or notice of intervention must be filed with the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how the proposed action affects their interests.

Dated: 08/10/99  
G22

## INJECTION WELL - PRESSURE TEST

Well Name: <u>ASHLEY FED #11-1-9-15</u>	API Number: <u>43-013-31926</u>
Qtr/Qtr: <u>NE/SW</u>	Section: <u>1</u> Township: <u>9S</u> Range: <u>15E</u>
Company Name: <u>Inland Production Co</u>	
Lease: State <u>UT</u> Fee <u>UTU-73520X</u>	Federal <u>Indian</u>
Inspector: <u>[Signature]</u>	Date: <u>04-27-00</u>

## Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 260 psiCasing/Tubing Annulus - Pressure: 1040 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1040 PST</u>	<u>260</u>
5	<u>1040 "</u>	<u>260</u>
10	<u>1040 "</u>	<u>260</u>
15	<u>1040 "</u>	<u>260</u>
20	<u>1040 "</u>	<u>260</u>
25	<u>1040 "</u>	<u>260</u>
30	<u>1040 "</u>	<u>260</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 260 psiCasing/Tubing Annulus Pressure: 1040 psiCOMMENTS: ORIGINAL CONVERSION F/ POW TO WIW. TESTED  
W/ CHART ON BARTON KEMP. PASS.

[Signature]  
Operator Representative



PRODUCTION COMPANY

A Subsidiary of Inland Resources Inc.

April 27, 2000

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple, Suite 1310  
P.O. Box 145801  
SLC, Utah 84114-5801

Re: Ashley Fed 11-1-9-15  
Injection Conversion

Dear Brad:

Inland converted the subject well from a producing to an injection well on April 26, 2000. A mechanical integrity test (MIT) was conducted and witnessed by Mr. Dennis Ingram on April 27, 2000. The casing was pressured to 1040 psi and held for one half hour with no pressure loss.

Find enclosed an MIT sundry, tabular data sheet, and a chart recording of the test. Inland is requesting permission to commence injection on the subject well. Please contact me at the number listed below if you have any questions.

Sincerely,

Rod Bird  
Production Foreman

Enclosures

**RECEIVED**

APR 28 2000

**DIVISION OF  
OIL, GAS AND MINING**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-74826</b>	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <b>N/A</b>	
<b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>WELL</b> <input checked="" type="checkbox"/> <b>WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>7. UNIT AGREEMENT NAME</b>  <b>ASHLEY (GR RVR)</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>8. FARM OR LEASE NAME</b> <b>ASHLEY FEDERAL 11-1</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		<b>9. WELL NO.</b> <b>ASHLEY FEDERAL 11-1</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1981 FSL 1978 FWL</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>ASHLEY</b>	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/SW Section 1, T09S R15E</b>	
<b>14. API NUMBER</b> <b>43-013-31926</b>	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5940 GR</b>	<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13. STATE</b> <b>UT</b>

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Perform MIT.</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a production to an injection well. Mr. Dennis Ingram of the State DOGM was notified of the intent to perform an MIT on April 27, 2000. On April 27, 2000, the casing annulus was pressured to 1040 psi and maintained for one half hour with no pressure loss. Dennis Ingram witnessed and approved the test.

Inland is requesting permission to commence injection.

**18 I hereby certify that the foregoing is true and correct**  
SIGNED Rod Bird TITLE Production Foreman DATE 4/27/00

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

APR 28 2000

DIVISION OF  
OIL, GAS AND MINING

WTC  
8-14-00

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Hennig Ingram Date 4/27/00 Time 1:00 am (pm)

Test Conducted by: Reddie Bird

Others Present: \_\_\_\_\_

Well: Ashley Fed 11-1-9-15

Field: Ashley

Well Location: NE 1/4 Sec. 1 T9S R1E API No: 43-013-31926

Duchesne CO Utah

Time	Casing Pressure	
0 min	<u>1040</u>	psig
5	<u>1040</u>	psig
10	<u>1040</u>	psig
15	<u>1040</u>	psig
20	<u>1040</u>	psig
25	<u>1040</u>	psig
30 min	<u>1040</u>	psig
35	<u></u>	psig
40	<u></u>	psig
45	<u></u>	psig
50	<u></u>	psig
55	<u></u>	psig
60 min	<u></u>	psig

**RECEIVED**

APR 28 2000

DIVISION OF  
OIL, GAS AND MINING

Tubing pressure: 260 psig

Result: Pass Fail

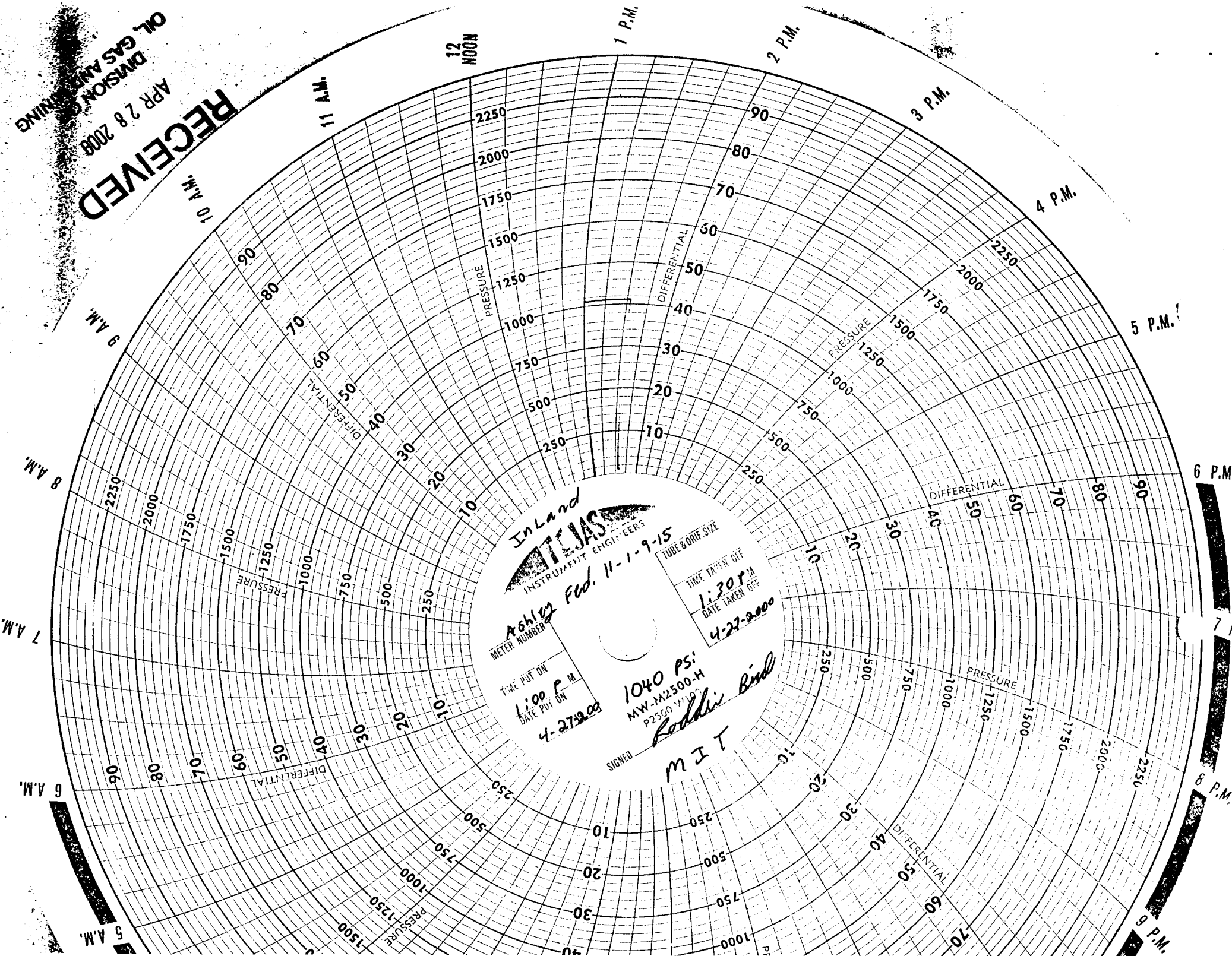
Signature of Witness: Hennig Ingram

Signature of Person Conducting Test: Reddie Bird

OIL GAS AND MINING  
DIVISION

APR 28 2008

RECEIVED



DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Ashley Fed. 11-1-9-15

**Location:** 1/9S/15E

**API:** 43-013-31926

**Ownership Issues:** The proposed well is located on Federal (BLM) land. The well is located in the Ashley Unit. Lands in the one-half mile radius of the well are administered by the State of Utah (SITLA) and the BLM. Inland holds the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Ashley Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 302 feet and is cemented to surface. A 5 ½ inch production casing is set at 5965 feet and has a cement bond better than an 80% bond over most of the cemented interval up to 3195 feet. A 2 7/8 inch tubing with a packer will be set at 5006 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing or injection wells and 1 P&A well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 450 feet. Injection will be limited to the interval between 5040 feet and 5781 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 11-1-9-15 well is .824 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2131 psig. The requested maximum pressure is 2131 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Ashley Fed. 11-1-9-15**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Ashley Unit on August 25, 1998. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 12/21/99

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>ASHLEY (GR RVR)</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>ASHLEY FEDERAL 11-1</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>ASHLEY FEDERAL 11-1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1981 FSL 1978 FWL</b>		10. FIELD AND POOL OR WILDCAT  <b>ASHLEY</b>	
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 1, T09S R15E</b>	
14. API NUMBER <b>43-013-31926</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5940 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Injection Conversion</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a production to an injection well on 4/20/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4498'

**RECEIVED**

**MAY 02 2000**

**DIVISION OF  
OIL, GAS AND MINING**

18 I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE District Engineer DATE 4/28/00

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

WTK  
8-14-00

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL 11-1**

9. API Well No.

**43-013-31926**

10. Field and Pool, or Exploratory Area

**ASHLEY**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 - 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1981 FSL 1978 FWL NE/SW Section 1, T09S R15E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Additional Perfs

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 4/25/00 the following perforations were added and broken down: 4570 - 4580' (4 SPF/40 holes).

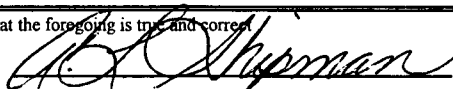
**RECEIVED**

**MAY 04 2000**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct.

Signed

 Title

Operations Secretary

Date

5/2/00

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUMMARY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74826

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

ASHLEY (GR RVR)

8. Well Name and No.

ASHLEY FEDERAL 11-1

9. API Well No.

43-013-31926

10. Field and Pool, or Exploratory Area

ASHLEY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Route 3, Box 3630, Myton Utah 84052 (435-646-3721)

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1981 FSL 1978 FWL

NE/SW Section 1, T09S R15E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

First Report of Injection

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was placed on water injection on 5/11/00.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

COPY SENT TO OPERATOR  
Date: 6-8-00  
Initials: CHD

14. I hereby certify that the foregoing is true and correct.

Signed

Title

District Engineer

Date

5/17/00

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

WTK  
8/14/00





**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

**UNDERGROUND INJECTION CONTROL PERMIT**

**Cause No. UIC-242**

**Operator:** Inland Production Company

**Well:** Ashley Federal 11-1

**Location:** Section 1, Township 9 South, Range 15 East, Duchesne County


**API No.:** 43-013-31926

**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Well issued on December 21, 1999.
2. Maximum Allowable Injection Pressure: 2131 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (5040 feet - 5781 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

5/11/2000  
Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton  
SITLA, Salt Lake City

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL 11-1**

9. API Well No.

**43-013-31926**

10. Field and Pool, or Exploratory Area

**ASHLEY**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Route 3, Box 3630, Myton Utah 84052 (435-646-3721)**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1981 FSL 1978 FWL NE/SW Section 1, T09S R15E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **First Report of Injection**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was placed on water injection on 5/11/00.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

**RECEIVED**

**JUN 12 2000**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title District Engineer Date 6/7/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

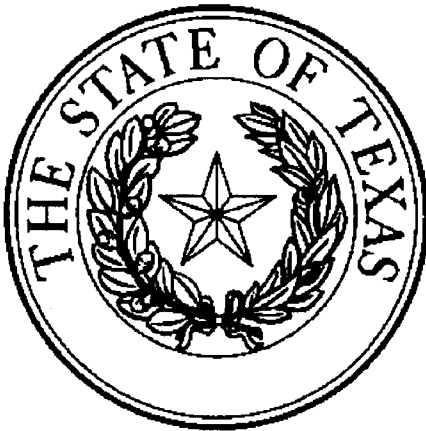
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

## NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt*  
Title: *Permit Services Manager*Approval Date: 9-20-04Comments: Note: Indian Country wells will require EPA approval.RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****ASHLEY****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NORTH ASHLEY 1-1	01	090S	150E	4301331787	12419	Federal	WI	A
NORTH ASHLEY 8-1	01	090S	150E	4301331809	12419	Federal	OW	P
ASHLEY FED 7-1	01	090S	150E	4301331824	12419	Federal	WI	A
ASHLEY FED 10-1	01	090S	150E	4301331825	12419	Federal	OW	P
ASHLEY FED 9-1	01	090S	150E	4301331859	12419	Federal	WI	A
ASHLEY FED 2-1	01	090S	150E	4301331883	12419	Federal	OW	P
ASHLEY FED 11-1	01	090S	150E	4301331926	12419	Federal	WI	A
ASHLEY FED 6-1	01	090S	150E	4301331927	12419	Federal	OW	P
ASHLEY FED 5-1-9-15	01	090S	150E	4301331998	12419	Federal	WI	A
ASHLEY FED 12-1-9-15	01	090S	150E	4301332000	12419	Federal	OW	P
ASHLEY FED 13-1-9-15	01	090S	150E	4301332001	12419	Federal	D	PA
ASHLEY FED 14-1	01	090S	150E	4301332002	12419	Federal	OW	P
ASHLEY FED 15-1	01	090S	150E	4301332003	12419	Federal	WI	A
ASHLEY FED 16-1	01	090S	150E	4301332004	12419	Federal	OW	P
ASHLEY U 3-1-9-15	01	090S	150E	4301332117	12419	Federal	WI	A
ASHLEY U 4-1-9-15	01	090S	150E	4301332118	12419	Federal	OW	P
ASHLEY U 1-12	12	090S	150E	4301332005	12419	Federal	WI	A
ASHLEY U 2-12	12	090S	150E	4301332006	12419	Federal	OW	P
ASHLEY U 4-12	12	090S	150E	4301332007	12419	Federal	OW	P
ASHLEY U 7-12	12	090S	150E	4301332008	12419	Federal	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well			5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74826
2. NAME OF OPERATOR: Newfield Production Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052			7. UNIT or CA AGREEMENT NAME: ASHLEY PA A
PHONE NUMBER 435.646.3721			8. WELL NAME and NUMBER: ASHLEY FED 11-1
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FSL 1978 FWL			9. API NUMBER: 4301331926
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SW, 1, T9S, R15E			10. FIELD AND POOL, OR WILDCAT: Monument Butte
			COUNTY: Duchesne
			STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 04/07/2005			<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

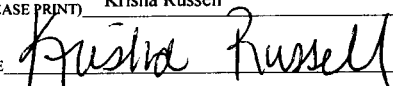
A Five year MIT was conducted on the subject well. On 3/28/05 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 3/31/05 the casing was pressured to 1340 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: 04-12-05

By: 

COPIES SENT TO OPERATOR  
Date: 4-14-05  
Initials: CRD

NAME (PLEASE PRINT) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>04/07/2005</u>

(This space for State use only)

**RECEIVED**  
**APR 08 2005**  
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test  
Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 3/31/05 Time 11:00 am pm  
Test Conducted by: Tim Carro II  
Others Present: \_\_\_\_\_

Well: Ashley 11-1-9-15

Field: Ashley unit

Well Location:

NE/SW Sec. 1 - T9S - R15E

API No:

43-013-31926

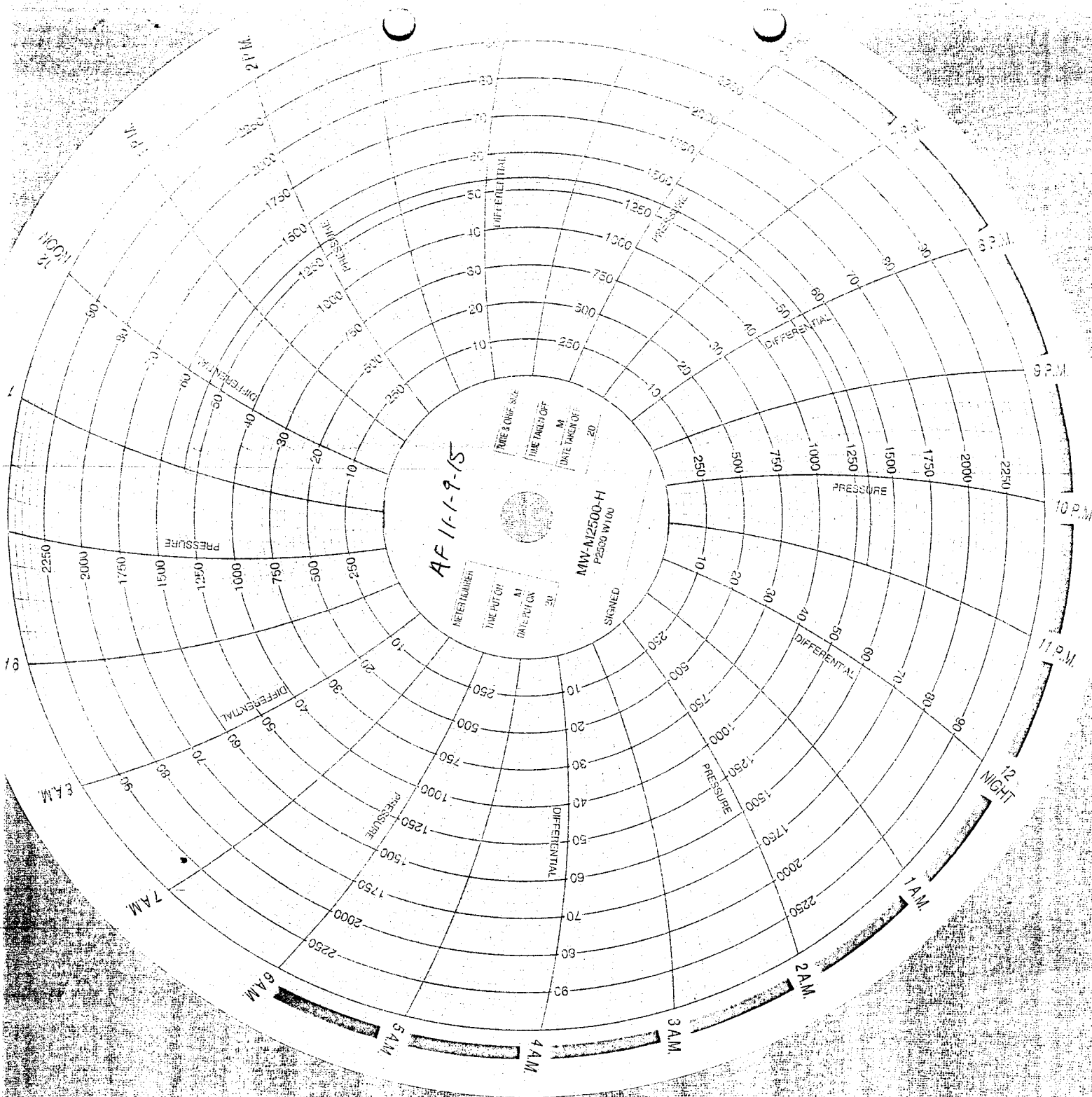
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1340</u>	psig
5	<u>1340</u>	psig
10	<u>1340</u>	psig
15	<u>1340</u>	psig
20	<u>1340</u>	psig
25	<u>1340</u>	psig
30 min	<u>1340</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Tim Carro II



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74826

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ASHLEY PA AB

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
ASHLEY FED 11-1

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331926

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FSL 1978 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 1, T9S, R15E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Tubing Leak
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  06/14/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed on 05/29/07, attached is a daily status report.

RECEIVED

JUN 15 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 06/14/2007

(This space for State use only)

**Daily Activity Report**

Format For Sundry

**ASHLEY 11-1-9-15****4/1/2007 To 8/30/2007****5/23/2007 Day: 1****Workover**

Western #2 on 5/22/2007 - MIRU Western #2. Bleed pressure off well. ND wellhead & release Arrowset 1-X pkr @ 4499'. NU BOP. RU HO trk & circ well W/ 100 BW @ 225°F. TOH & talley injection tbg--LD pkr. Talley, PU & TIH W/ 4 3/4" bit, 5 1/2" casing scraper & 2 7/8 8rd 6.5# N-80 tbg to 1884'. SIFN.

**5/24/2007 Day: 2****Workover**

Western #2 on 5/23/2007 - Bleed well down. Con't PU & TIH W/ bit, scraper & 2 7/8 N-80 tbg f/ 1884' to 5818'. TOH W/ tbg--LD bit & scraper. TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 N-80 tbg. Set plug @ 5060' & pkr @ 5016'. Breakdown B .5 sds (5040-46') @ 4600 psi. Inject 5 BW into perfs @ .5 BPM @ 2150 psi. ISIP -- 2000 psi, 5 min -- 1950 psi. Release tools & con't TIH. Set plug @ 5110' & pkr @ 5058'. Breakdown B1 sds (5084-88') @ 3600 psi. Inject 5 BW into perfs @ .5 BPM @ 3200 psi. ISIP -- 3100 psi, 5 min -- 1500 psi. Release pkr. Pull uphole & install frac valve & subs. Leave pkr unset W/ EOT @ 4939'. SIFN.

**5/25/2007 Day: 3****Workover**

Western #2 on 5/24/2007 - Set pkr @ 4924'. RU BJ Services to tbg. 543 psi on well. Frac B.5 & B1 sds w/ 27,450#'s of 20/40 sand in 270 bbls of Lightning 17 fluid. Broke @ 3117 psi. Treated w/ ave pressure of 4114 psi @ ave rate of 14.3 BPM. ISIP 2465 psi. RD BJ Services. Begin immediate flowback on 12/64 @ 1 BPM. Flowed for 1 1/2 hr & died. Rec. 93 BW. Pressure up on annulus & release pkr. Circulate well clean. TIH w/ tbg. Tagged fill @ 5095'. Clean out to RBP @ 5110'. Release plug. LD 20- jts 2 7/8 N-80 workstring. EOT @ 4483'. SIFN.

**5/26/2007 Day: 4****Workover**

Western #2 on 5/25/2007 - Cont. POOH, laying tbg. down on trailer. LD BHA. RIH w/ 5 1/2" arrowset1 pkr., PSN & 145 jts tbg. Drop standing valve. Pressure test tbg. to 3000 psi for 30 min. w/ no bleedoff. RIH w/ overshot on sandline. Retrieve standing valve. ND BOP. Pump 71 bbls fresh water w/ pkr. fluid down csg. Set AS1 pkr. @ 4504' w/ 18,000# tension. NU wellhead. Pressure csg. to 1400 psi. Lost 80 psi in 30 min. Bump csg. to 1400 psi. SWIFN.

**5/30/2007 Day: 5****Workover**

Western #2 on 5/29/2007 - Pressure test csg. to 1400 psi for 30 min. w/ no bleedoff. Well ready for MIT.

**6/7/2007 Day: 6****Workover**

Rigless on 6/6/2007 - On 6/1/07 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (AF 11-1-9-15). Permission was given at that time to perform the test on 6/4/07. On 6/4/07 the csg was pressured up to 1280 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1000 psig during the test. There was not a State representative available to witness the test. API# 43-

**013-31926**

---

**Pertinent Files: [Go to File List](#)**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 6/4/07 Time 10:30 am pm

Test Conducted by: Chris Wilkerson

Others Present: \_\_\_\_\_

Well: Ashley Fed 11-1-9-15

Field: Mon Butte/Ashley

Well Location: NE/SW Sec. 2 - T9S - R15E API No: 43-013-31920  
Duchesne County, UT

## Time

## Casing Pressure

0 min	<u>1280</u>	psig
5	<u>1280</u>	psig
10	<u>1280</u>	psig
15	<u>1280</u>	psig
20	<u>1280</u>	psig
25	<u>1280</u>	psig
30 min	<u>1280</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1000 psig

Result:

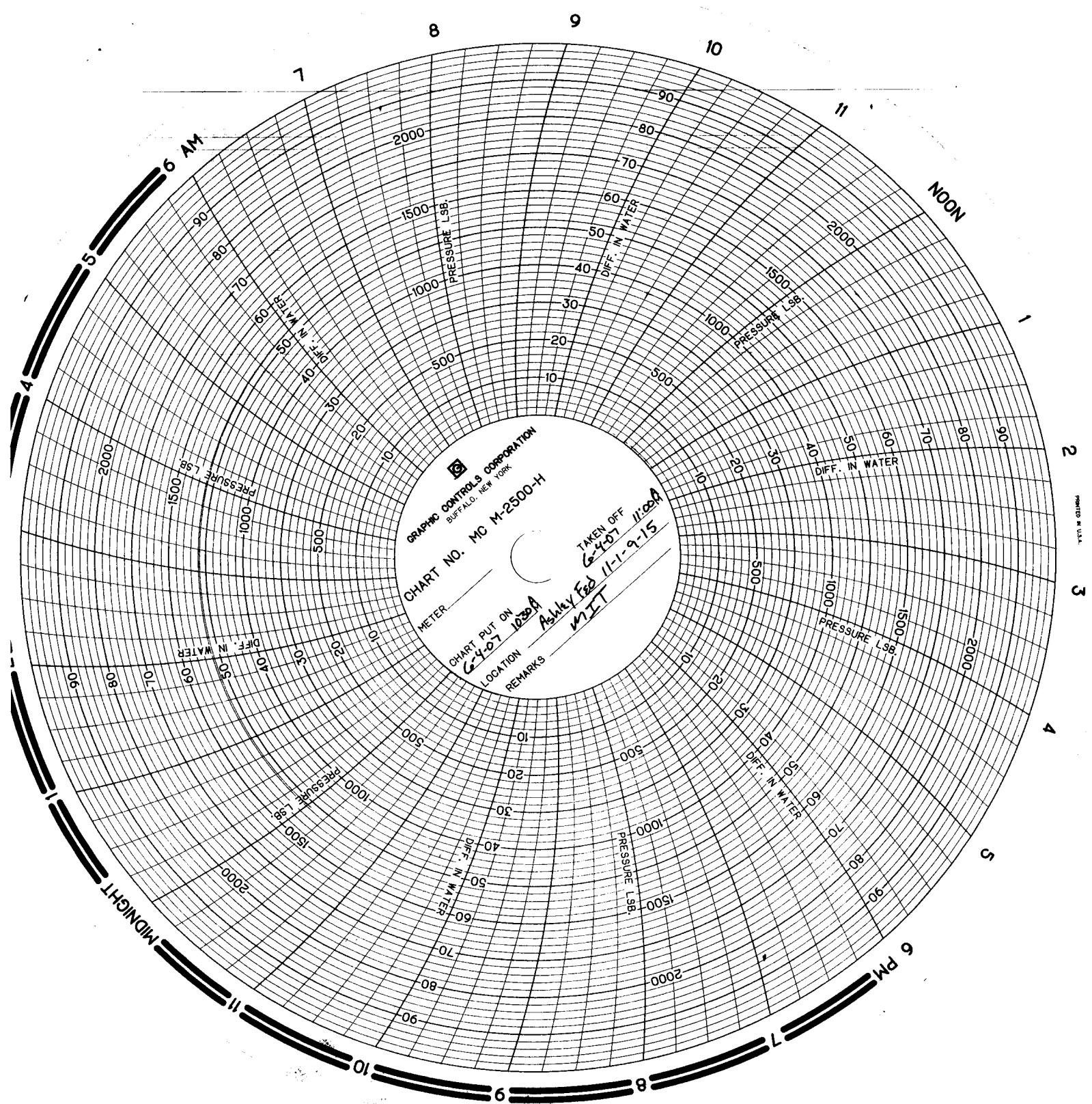
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Chris Wilkerson







June 14, 2007

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1310  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Workover, MIT  
Ashley Federal 11-1-9-15  
Sec 1, T9S, R15E  
API #43-013-31926

Dear Mr. Brad Hill:

The subject injection well had workover procedures performed. Also, an MIT was conducted on the well. Please find enclosed the sundry, tabular sheet, and a copy of the chart. If you have any questions please call me at 435 646-4843.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jentri Park".

Jentri Park  
Production Clerk

RECEIVED

JUN 15 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>W1</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74826
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: ASHLEY PA AB
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FSL 1978 FWL		8. WELL NAME and NUMBER: ASHLEY FED 11-1
OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 1, T9S, R15E		9. API NUMBER: 4301331926
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Tubing Leak
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>06/14/2007</u>			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed on 05/29/07, attached is a daily status report.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-27-07  
By: [Signature]

OK TO  
INJECT

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u>[Signature]</u>	DATE <u>06/14/2007</u>

(This space for State use only)

RECEIVED  
AUG 21 2007

DIV. OF OIL, GAS & MINING

---

**Daily Activity Report****Format For Sundry****ASHLEY 11-1-9-15****4/1/2007 To 8/30/2007****5/23/2007 Day: 1****Workover**

Western #2 on 5/22/2007 - MIRU Western #2. Bleed pressure off well. ND wellhead & release Arrowset 1-X pkr @ 4499'. NU BOP. RU HO trk & circ well W/ 100 BW @ 225°F. TOH & talley injection tbg--LD pkr. Talley, PU & TIH W/ 4 3/4" bit, 5 1/2" casing scraper & 2 7/8 8rd 6.5# N-80 tbg to 1884'. SIFN.

---

**5/24/2007 Day: 2****Workover**

Western #2 on 5/23/2007 - Bleed well down. Con't PU & TIH W/ bit, scraper & 2 7/8 N-80 tbg f/ 1884' to 5818'. TOH W/ tbg--LD bit & scraper. TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 N-80 tbg. Set plug @ 5060' & pkr @ 5016'. Breakdown B .5 sds (5040-46') @ 4600 psi. Inject 5 BW into perfs @ .5 BPM @ 2150 psi. ISIP -- 2000 psi, 5 min -- 1950 psi. Release tools & con't TIH. Set plug @ 5110' & pkr @ 5058'. Breakdown B1 sds (5084-88') @ 3600 psi. Inject 5 BW into perfs @ .5 BPM @ 3200 psi. ISIP -- 3100 psi, 5 min -- 1500 psi. Release pkr. Pull uphole & install frac valve & subs. Leave pkr unset W/ EOT @ 4939'. SIFN.

---

**5/25/2007 Day: 3****Workover**

Western #2 on 5/24/2007 - Set pkr @ 4924'. RU BJ Services to tbg. 543 psi on well. Frac B.5 & B1 sds w/ 27,450#'s of 20/40 sand in 270 bbls of Lightning 17 fluid. Broke @ 3117 psi. Treated w/ ave pressure of 4114 psi @ ave rate of 14.3 BPM. ISIP 2465 psi. RD BJ Services. Begin immediate flowback on 12/64 @ 1 BPM. Flowed for 1 1/2 hr & died. Rec. 93 BW. Pressure up on annulus & release pkr. Circulate well clean. TIH w/ tbg. Tagged fill @ 5095'. Clean out to RBP @ 5110'. Release plug. LD 20- jts 2 7/8 N-80 workstring. EOT @ 4483'. SIFN.

---

**5/26/2007 Day: 4****Workover**

Western #2 on 5/25/2007 - Cont. POOH, laying tbg. down on trailer. LD BHA. RIH w/ 5 1/2" arrowset1 pkr., PSN & 145 jts tbg. Drop standing valve. Pressure test tbg. to 3000 psi for 30 min. w/ no bleedoff. RIH w/ overshot on sandline. Retrieve standing valve. ND BOP. Pump 71 bbls fresh water w/ pkr. fluid down csg. Set AS1 pkr. @ 4504' w/ 18,000# tension. NU wellhead. Pressure csg. to 1400 psi. Lost 80 psi in 30 min. Bump csg. to 1400 psi. SWIFN.

---

**5/30/2007 Day: 5****Workover**

Western #2 on 5/29/2007 - Pressure test csg. to 1400 psi for 30 min. w/ no bleedoff. Well ready for MIT.

---

**6/7/2007 Day: 6****Workover**

Rigless on 6/6/2007 - On 6/1/07 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (AF 11-1-9-15). Permission was given at that time to perform the test on 6/4/07. On 6/4/07 the csg was pressured up to 1280 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1000 psig during the test. There was not a State representative available to witness the test. API# 43-

**013-31926**

---

**Pertinent Files: Go to File List**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 6/4/07 Time 10:30 am pm

Test Conducted by: Chris Wilkerson

Others Present: \_\_\_\_\_

Well: Ashley Fed 11-1-9-15

Field: Mon Butte/Ashley

Well Location: NE/SW Sec. 1 - T9S-R15E API No: 43-013-31926  
Duchesne County, UT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1280</u>	psig
5	<u>1280</u>	psig
10	<u>1280</u>	psig
15	<u>1280</u>	psig
20'	<u>1280</u>	psig
25	<u>1280</u>	psig
30 min	<u>1280</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1000 psig

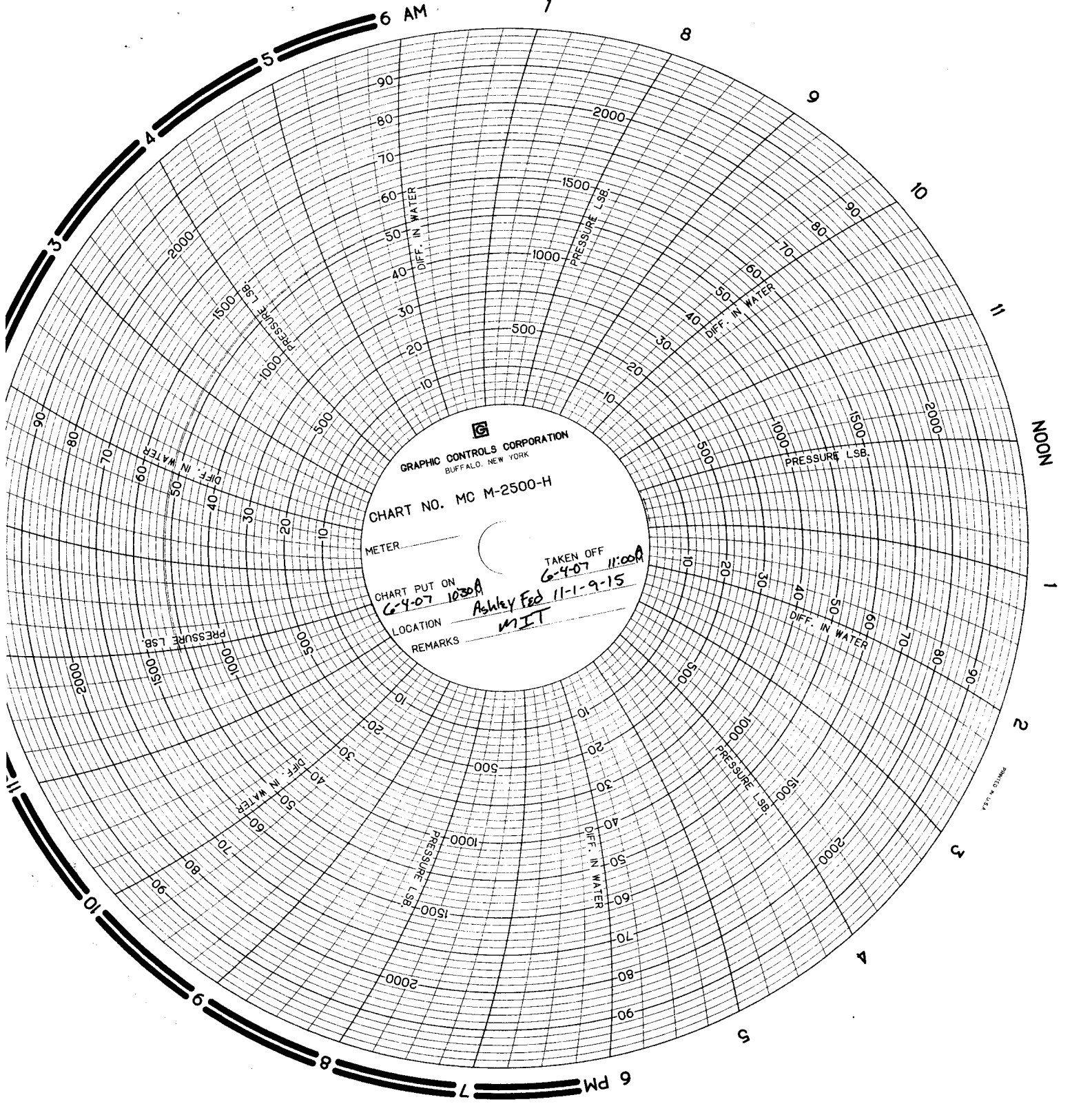
Result:


Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Chris Wilkerson



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74826
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> ASHLEY FED 11-1
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1981 FSL 1978 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 01 Township: 09.0S Range: 15.0E Meridian: S		<b>9. API NUMBER:</b> 43013319260000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/8/2012	<input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 yr MIT"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OTHER	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>On 05/01/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 05/08/2012 the casing was pressured up to 1210 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 2006 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p> <div style="text-align: right;"> <p><b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> May 17, 2012</p> <p><b>By:</b> </p> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/10/2012



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 5/8/12 Time 11:00 am pmTest Conducted by: Dale Giles

Others Present: \_\_\_\_\_

Well: Ashley Federal 11-1-9-15Field: Monument ButteWell Location: NE/SW Sec 1, T9S, R15EAPI No: 43-013-31926

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1210</u>	psig
5	<u>1210</u>	psig
10	<u>1210</u>	psig
15	<u>1210</u>	psig
20	<u>1210</u>	psig
25	<u>1210</u>	psig
30 min	<u>1210</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2006 psig

Result:

Pass

Fail

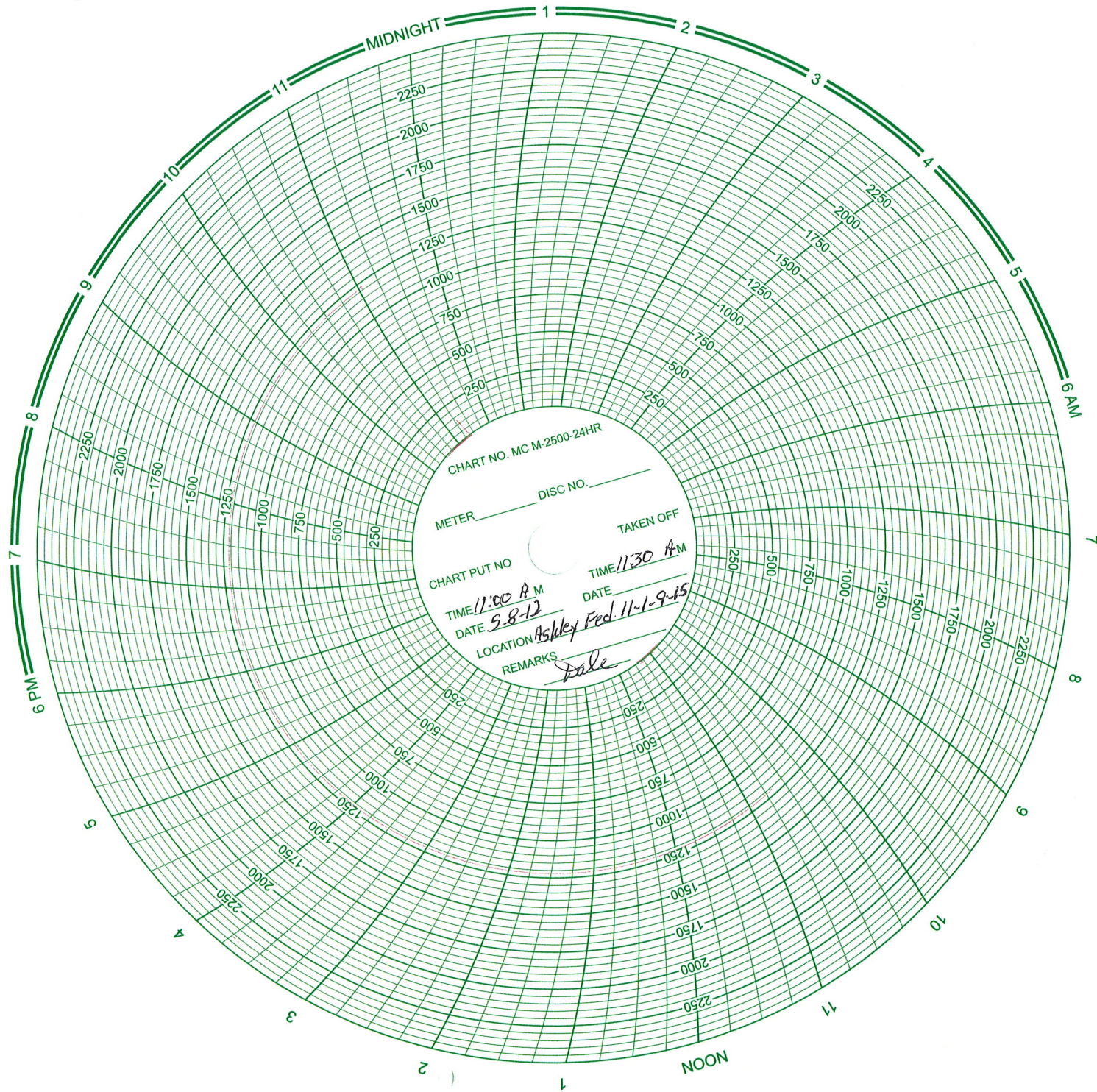
Signature of Witness:

Chris Jensen

Signature of Person Conducting Test:

Dale Giles





## NEWFIELD



## Schematic

Well Name: Ashley 11-1-9-15

43-013-31926

Surface Legal Location	APN/UWI	Well RC	Lease	State/Province	Field Name	County
01-9S-15E	43013319260000	500151152		Utah	GMBU CTB2	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
	10/12/1998		5,950	5,940		Original Hole - 5,946.0

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Recompletion	Fracture Treatment	N/A	5/22/2007	6/4/2007

TD: 6,000.0

Vertical - Original Hole, 3/29/2016 9:12:42 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (°...)	
9.8				
301.5				
301.8				1: Surface; 8 5/8 in; 8.097 in; 10-302 ftKB; 292.00 ft
317.9				
325.1				
4,495.4				2-1: Tubing; 2 7/8; 2.441; 10-4,496; 4,485.53
4,496.7				2-2: Nipple; 2 7/8; 2.441; 4,496-4,497; 1.10
4,498.7				2-3: Packer; 4.95; 2.441; 4,497-4,499; 2.00
4,503.9				2-4: Wireline Guide; 2 7/8; 2.441; 4,499-4,504; 5.32
4,569.9				
4,580.1				Perforated; 4,570-4,580; 4/25/2000
5,040.0				Perforated; 5,040-5,046; 10/6/1998
5,045.9				
5,084.0				Perforated; 5,084-5,088; 10/6/1998
5,087.9				
5,121.1				Perforated; 5,121-5,131; 10/6/1998
5,130.9				
5,241.1				Perforated; 5,241-5,253; 10/3/1998
5,253.0				
5,478.0				
5,513.1				Perforated; 5,478-5,513; 10/1/1998
5,709.0				
5,712.9				Perforated; 5,709-5,713; 9/29/1998
5,771.0				
5,780.8				Perforated; 5,771-5,781; 9/29/1998
5,945.9				
5,946.5				
5,964.2				
5,964.9				2: Production; 5 1/2 in; 4.950 in; 10-5,965 ftKB; 5,955.00 ft
6,000.0				

# NEWFIELD



## Newfield Wellbore Diagram Data Ashley 11-1-9-15

Surface Legal Location 01-9S-15E			API/UWI 43013319260000		Lease
County Duchesne	State/Province Utah		Basin		Field Name GMBU CTB2
Well Start Date 9/16/1998		Spud Date	Final Rig Release Date		On Production Date 10/12/1998
Original KB Elevation (ft) 5,950	Ground Elevation (ft) 5,940	Total Depth (ftKB) 6,000.0	Total Depth All (TVD) (ftKB)		PBTD (Alt) (ftKB) Original Hole - 5,946.0

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/16/1998	8 5/8	8.097	24.00	J-55	302
Production	9/22/1998	5 1/2	4.950	15.50	J-55	5,965

### Cement

#### String: Surface, 302ftKB 9/16/1998

Cementing Company	Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 325.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 140 sx Class "G" w/2% CC & 1/2#/sk Cello Flake (15.8 ppg 1.17 cf/sk yield)	Fluid Type Lead	Amount (sacks) 140	Class G	Estimated Top (ftKB) 10.0

#### String: Production, 5,965ftKB 9/22/1998

Cementing Company	Top Depth (ftKB) 318.0	Bottom Depth (ftKB) 6,000.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 270 sx Premium Lite Mod (11.0 ppg 3.42 cf/sk yield)	Fluid Type Lead	Amount (sacks) 270	Class Premium Plus	Estimated Top (ftKB) 318.0
Fluid Description 320 sx Class "G" w/10% A-10 & 10% salt (14.4 ppg 1.63 cf/sk yield)	Fluid Type Tail	Amount (sacks) 320	Class G	Estimated Top (ftKB) 3,000.0

### Tubing Strings

Tubing Description Tubing					Run Date 4/26/2000	Set Depth (ftKB) 4,504.0		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	145	2 7/8	2.441	6.50	J-55	4,485.53	10.0	4,495.5
Nipple	1	2 7/8	2.441			1.10	4,495.5	4,496.6
Packer	1	4.95	2.441			2.00	4,496.6	4,498.6
Wireline Guide	1	2 7/8	2.441			5.32	4,498.6	4,504.0

### Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
5	IPB, Original Hole	4,570	4,580	4	90		4/25/2000
4	B, Original Hole	5,040	5,046	4	90		10/6/1998
4	B, Original Hole	5,084	5,088	4	90		10/6/1998
4	B, Original Hole	5,121	5,131	4	90		10/6/1998
3	A, Original Hole	5,241	5,253	4	90		10/3/1998
2	LDC, Original Hole	5,478	5,513	2	180		10/1/1998
1	CP, Original Hole	5,709	5,713	4	90		9/29/1998
1	CP, Original Hole	5,771	5,781	4	90		9/29/1998

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,400						
2	2,150						
3	3,200						
4	2,800						
5	1,600		1.8	1,750			
6	2,465	0.92	14.4	4,211			

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 95644 lb
2		Proppant Bulk Sand 105753 lb
3		Proppant Bulk Sand 102644 lb
4		Proppant Bulk Sand 108458 lb
5		0
6		Proppant Bulk Sand 27450 lb